

ADMINISTRATIVE PAGE

Income Tax Data On ABRAHAM BROTHMAN and MIRIAM MOSKOWITZ

Confidential Informant T-1, of known reliability, has furnished the following data regarding BROTHMAN'S and [REDACTED] income tax returns between the years 1942 and 1949:

1. 1942—Federal (Joint) ABRAHAM and NAOMI BROTHMAN  
(Individual income tax return)

b3  
26 USC 6103  
PLA  
IRS

Employments

Chemurgy Design Corporation, 420 Lexington Avenue,  
New York City.

Hendrick Manufacturing Company, 30 Church Street,  
New York City.

Salary

\$ 4,500

Deduction (dependency)	\$ 600
Contributions (Red Cross and other Charitable organizations)	75
Interest paid on loans	35
Sales, gasoline, amusement, license plate taxes, etc	75
Professional books, periodicals, tools, traveling expenses	675
Medical and legal expenses	<u>125</u>

Net income

1,585  
2,912

Tax paid on \$2,912 -- \$174.81

In this form BROTHMAN claimed a \$600 loss due to the dissolving of the Republic Chemical Machine Company at 43-09 40th Street, Long Island City.

2. 1943—Federal ABRAHAM BROTHMAN  
(Individual income and victory tax return)

Occupation

Chemical Engineer

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Chemurgy Design Corporation	\$5,343.69	
Tedley Chemical, 115 Dobbin Street, Brooklyn	600.00	
Graver Tank & Manufacturing Company, East Chicago, Ill.	<u>1,000.00</u>	
Total		\$ 6,943.69
Net Income		5,243.69
Deductions:		
Professional expenses, railroad fare, hotel, meals, etc.	600.00 500.00	
Draftsman	<u>1,700.00</u>	
Contributions:		
Various war reliefs including Russian War Relief	60.00	
Ambijan	25.00	
National War Fund	30.00	
Red Cross	25.00	
U.S.O.	25.00	
Infantile Paralysis	25.00	
Boy Scouts	15.00	
Religious and charitable organizations	50.00	
Total	<u>255.00</u>	
Garage	120.00	
Gas and oil	110.00	
Repairs	42.50	
Maintenance and incidentals	300.00	
American Chemical Society	25.00	
Total	<u>597.50</u>	
Medical expenses, drugs, medicines, etc.	275.00	
City sales and amusement taxes	<u>163.25</u>	
Tax Deducted		\$ 696.12
Tax Owed		596.50
Amount Due BROTHMAN		\$ 126.62

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3. 1944 (Federal) ABRAHAM BROTHMAN  
(U. S. individual income tax return)

Total income	\$ 3,406.50
(Arrived at as follows:	
Total Gross income--\$5,796.50, com-	
prised of Chemurgy Design	\$3,796.50
Tedly Chemical	1,100.00
Regal Chemical	900.00
	<u>\$5,796.50</u>
Less Total expenses	2,390.00
Total	<u>\$3,406.50</u>

\$2,029 earning not available.)

Contributions:

U. S. War Relief	95.00
Ambifan	30.00
British War Relief, Special	75.00
Free French Fund	40.00
U.S.O.	50.00
Red Cross	40.00
March of Dimes	40.00
Religious and charitable	50.00
Other deductions	25.00
Total	<u>\$425.00</u>

Medical Expenses:

Dr. PRICE, 17 Union Square	200.00
Dr. MUSCABLITT	
55 West 42nd Street	25.00
Dr. ROENSON	
121 East 60th Street	125.00
Dr. KOENIG	
125 East 65th Street	25.00
Dr. WILK	
4501 Skillman Avenue	25.00
Dr. WAGER	
1475 Grand Concourse	15.00
Dr. GLADSTERN	
19 East 98th Street	15.00
New York Hospital	20.00
Medicine, drugs, etc.	<u>100.00</u>
Total	<u>\$550.00</u>

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4. 1944 (Federal) ABRAHAM BROTHMAN and Associates  
113 East 32nd Street, New York City  
(U. S. Partnership Return of Income for 1944)

Income from business		\$ 5,900.00
Minus cost of labor, supplies, etc.		493.12
Leaving gross profit		5,411.88
Less traveling expenses		61.25
Total income		5,417.13
Salary and wages	\$ 408.00	
Rent	351.51	
Other deductions	653.96	
Total deductions		1,413.47
Ordinary net income		\$ 4,059.00

Net income less interest, etc., and subject  
to surtax--A. BROTHMAN \$ 2,029.83

E. Z. ~~BARISH~~ 507.46

GERHARD N. WOLLAN 507.46

OSCAR J. VAGO 507.46

JULES KORCHEIN 507.46

The figure \$653.96 is arrived at as follows:

Telephone & telegraph	\$ 92.66
Office supplies	44.21
Business expenses	99.10
Legal and Accounting	200.00
Stationery and printing	11.28
Postage	21.02
Fares	13.94
Entertainment	118.60
Insurance	26.42
Miscellaneous expenses	27.33



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## 5. 1945 (Federal) ABRAHAM BROTHMAN and Associates

## (U. S. Partnership Return of Income)

Salary--Gross Receipts	\$17,342.00
Cost of labor, supplies, etc.	3,369.13
Gross Profit from Business	<u>13,972.89</u>

Salaries and wages	\$10,436.80
Rent	1,355.91
Taxes	240.20
Other deductions	<u>8,343.83</u>
	20,376.74
Net loss	<u>\$ 6,403.87</u>

## Net loss broken down:

BROTHMAN	\$ 3,201.94
VAGO	1,067.31
WOLLAN	1,067.31
<u>KORSHEIN</u>	<u>1,067.31</u>
	\$ 6,403.87

The \$8,343 deduction was explained as follows:

Telephone and telegraph	\$ 711.01
Business Expense	358.96
Legal and accounting fees	1663.99
Postage	81.79
Travel	887.87
Fares	38.01
Entertainment	763.18
Miscellaneous expense	1032.00
Insurance	117.95
Publicity	245.05
Auto expense	507.25
Library	190.91
Professional Service.	1117.54
Consultation fees	1650.00

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6. 1946 (Federal) A. BROTHMAN and Associates

(U. S. Partnership Return of Income)

Gross Receipts	\$ 58,301.00
Cost of labor, supplies, etc.	4,979.00
Gross profit	<u>53,321.60</u>

Total income	53,321.60
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Salaries and wages (does not include compensation for partners)	\$27,987.72
Rent	2,379.13
Taxes	1,009.81
Bad debts	1,300.00
Depreciation	2,387.30
Other deductions	<u>5,372.23</u>
Total deductions	<u>40,436.19</u>

Net income	\$ 12,885.41
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Partners' Share of income and credits:

BROTHMAN	6,442.70
VAGO	1,952.81
KORSHEIN	1,288.55
WOLLAN	1,932.81
MOSKOWITZ	<u>1,288.34</u>

The depreciation item is explained as follows:

Laboratory, equipment, furniture and instruments	2,387.30
--	----------

Item of \$5,372 explained as follows:

Legal and accounting expenses	901.20
Auto expenses	924.16
Entertainment	790.29
Travel	723.73
Telephone and telegraph	860.84
Business expenses	<u>357.05</u>

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Office Supplies	\$ 239.52
Publicity and Advertising	87.81
Fares	19.43
Books and magazines	17.43
Insurance	331.42
Transportation charges	16.44
Postage	91.66
Stationery and printing	225.00

7. 1948 (New York State Income Tax and Unincorporated  
Business Tax Partnership Return)  
Period - June 1, 1948 -- May 31, 1949

A. BROTHMAN and Associates (Commenced business June 1, 1948  
with BROTHMAN and MOSKOWITZ as partners)

Total income	\$ 3,199.08
(\$2,399.91 to BROTHMAN and \$799.17 to MOSKOWITZ)	
Net income	2,559.27

Statement of income and profit and loss  
for the fiscal year ending May 31, 1949:

Engineering Services	\$14,875.00
Commissions	1,075.99
Total	\$15,950.99

## Expenses:

Office rent and service	1,778.49
Legal and professional fees	3,392.53
Office salaries	960.00
Depreciation of equipment and instruments	1,510.99
Telephone and telegraph	686.11
Traveling and entertainment	880.11
Consultants' fees	2,026.13
Office supplies	172.04
Blue prints and photostats	74.42
Postage	76.00
Insurance	190.88
Laboratory rent and service	457.80

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Advertising	\$ 33.16
General expenses	99.16
Interest expense	108.67
Taxes paid	88.17
Total expenses	\$ 12,756.71
 Total net income	 3,189.48
Plus:	
Interest received	\$3.00
Purchase discounts	1.80
Total other income	<u>4.80</u>
	<u>4.80</u>
 Total net income	 \$ 3,199.08

Attached to this last form was a statement by BROTHMAN regarding the corporation franchise tax report of the firm as follows:

"This corporation filed its certificate of incorporation with the Secretary of State of New York on April 28, 1948. Since then it has not engaged in any corporate activity of any kind. It has issued no stock, it has no employees or officers and it has no assets or liabilities. Nevertheless, this return and the minimum tax of \$25 plus interest and penalty charge is being paid on its behalf."

Attached to this also was a letter to the Department of Taxation, Albany, to the effect that first, they are a partnership, not a corporation; and, second, that they did not file a report for the reason that the change in their partnership had occurred and the audit of their books was not complete by the time they were to file. Their status was changed as of June 1, 1949, and they requested an additional sixty days to complete their audit. Also, they state that they intend to show a considerable loss in 1948.

8. 1949 (U. S. Individual Income Tax Return)  
ABRAHAM and NAOMI BROTHMAN

Income--Share of net profit  
from partnership, A. BROTHMAN  
and Associates

\$ 2,399.31

Deductions:

Share of net operating loss carry-over  
from partnership, A. BROTHMAN and Associates:

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1948	\$ 7,233.70	
Applied to 1946	<u>3,240.76</u>	
" " 1947	1,085.68	
" " 1949	<u>2,399.31</u>	
Total		\$ 6,725.75
Applied to 1950	\$ 507.95	
Contributions:		
Donations--Congress of American Women	41.90	
Total Wages	\$ 425.00	

[REDACTED]

b3  
26 U.S.C. 6103  
per  
IRS

Information Pertaining To The Financial Status Of A. BROTHMAN and Associates

Confidential Informant T-1 provided the following information:

LOANS PAYABLE  
as of December 31, 1947  
A. BROTHMAN AND ASSOCIATES

<del>Naomi Brothman</del>	\$12,433.
G. N. Wollan	1,000.
S. J. Moskowitz	190.
C. Vago	100.
	<u>\$13,723.</u>

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Note: There is an amount of \$1,195 which appears in 1947 as paid, having been applied against the amount owing to Naomi Brothman Loans Payable. This sum represents payments that were actually made, but at the time they were made there was a question of whether to consider them as A. Brothman's drawing or whether to decrease the Loans Payable account. We did the latter, leaving a balance at the end of the year 1947 of \$12,433 owing to Naomi Brothman. We would like to take that sum of \$1,195 and put it in the drawing (A.B.) account, thereby increasing the amount owing to N.B., for the reason that you understand. If you believe this to be a reasonable procedure, please go ahead and do it. The Loans Payable at the end of 1947 will then appear as \$14,918 in total.

I am representing below the Loans Payable 1947 account for your ease in understanding what I'm trying to represent above:

LOANS PAYABLE

<u>1947</u>			<u>1947</u>		
* Feb. 28 (NB)	C81	350.00	Jan. 1	B/S	\$8,100.**
April 30 (B.P.)	C84	2,000.00	Jan. 30 (NB)	C79	1,500.
* May 31 (NB)	C87	300.00	Feb. 28 (NB)	C81	3,000.
June 30 (E.N. and B.P.)	C89	6,000.00	28 (NB)	C81	453.
* Aug. 31 (NB)	C93	545.00	March 31 (NB)	C83	1,700.
			April 30 (NB)	C84	700.
		9,195.	May 31 (E.N.)	C85	5,000.
			31 (A.B.)	C86	1,000.
			Dec. 31 (N.B.)	J100	1,275.
			31 (SJM)	C100	190.
					22,918.

\* These items are, totalled, the \$1,195 I refer to.

\*\* These items from 1946 are:  
 B. Pidto \$3,000.  
 N. Brothman 4,000.  
 G. N. Wollan 1,000.  
 C. Vago 100.

The last item should have been applied against Vago's Investment but I guess Halpern forgot.

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SCHEDULE OF A/C PAYABLE AS OF 12/31/47  
A. BROTHMAN AND ASSOCIATES

American Instrument Co.	\$ 51.00
Brooklyn Union Gas. Co.	9.45
Beck and Herr	32.00
Consolidated Edison Co.	36.17
Commercial Towel Service	10.61
Cleary, Gottlieb, Friendly and Cox	3,106.45
City Chemical Corp.	13.93
Eimer and Amend	170.40
Exchange Linen Service	9.30
Gensup Stationery Corp.	34.46
Serge Jarvis	600.00
Keuffel and Esser	20.28
Liquid Carbonic Corp.	13.28
Miscellaneous:	
Bilkay Express	\$1.17
Precision Thermometer	9.84
Elk Welding	.40
American Chem. Society	<u>1.70</u>
New York Telephone Company	109.09
New York Public Library	5.50
Pine Hill Crystall Spring Water	5.61
Pennie, Edmonds, Morton and Barrows	151.82
Paragon Testing Co.	24.12
RCA Communications, Inc.	3.12
Scientific Glass Apparatus Co.	215.05
Terminal Garage	83.98

Total.....\$4,718.73

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A. BROTHMAN AND ASSOCIATES

A/C Receivable as of 12/31/47:

Mettur Chemical and Industrial Co. (India)	\$10,000.
G. Paschal	800.
Montecatini Societe Generale (Italy)	500.
Edward Quick	7,000.
	<u>\$18,300.</u>

Accruals as of 12/31/47:

S. Silberstein (1946), Salary	\$ 150.72
R. Wollan (1946 - ) (This is under "Consulting Fee")	550.00
W. Rohall: (Salary)	
1946      \$1147.50	
1947      1356.37	2,503.87
2/5 of weekly salary at end of 1946	190.00
Accounting fees	20.00
Retroactive salaries as per union contract	240.00
* H. Gold, salary (bonus or overtime) 1946	2,000.00
H. GOLD, 1947 salary accrual	2,100.00
R. Gerson, 1947 " "	2,893.63
S. Fanshel, 1947 " "	1,635.00
H. Rabinovitch, 1947 " "	913.75
P. Levine, Consulting Services	<u>1,400.00</u>
	\$13,996.97

(The salary accruals for 1947 alone are:

R. Gerson	\$2,893.63
H. Gold	2,100.00
W. Rohall	1,356.37
S. Fanshel	1,635.00
H. Rabinovitch	913.75
P. Levine (Consulting)	<u>1,400.00</u>
	\$10,298.75

3  
47  
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1



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Under the miscellaneous accruals items above, the items of \$190 (2/5 of weekly payroll), \$240.00 (retroactive pay if conditions had permitted) and \$20. (accountant's fee) should be adjusted. The \$190. and the \$20. items were in fact paid. I don't know whether you should wipe out the \$240. item, or throw it into Gold's overtime or bonus account. You could do the latter, since he will receive even more than that when we do pay off.

SCHEDULE OF A/C PAYABLE AS OF 12/31/47  
A. BROTHMAN AND ASSOCIATES

American Instrument Co.	\$ 51.00
Brooklyn Union Gas Co.	9.45
Beck and Herr	32.00
Consolidated Edison Co.	36.17
Commercial Towel Service	10.61
Cleary, Gottlieb, Friendly and Cox	3,106.45
City Chemical Corp.	13.93
Eimer and Amend	170.40
Exchange Linen Service	9.30
Gensup Stationery Corp.	34.46
Serge Jarvis	600.00
Keuffel and Esser	20.28
Liquid Carbonic Corp.	13.28
Miscellaneous:	
Bilkay Express	\$1.17
Precision Thermometer	9.84
Elk Welding	.40
American Chem. Society	<u>1.70</u>
New York Telephone Company	13.11
New York Public Library	109.09
Pine Hill Crystall Spring Water	5.50
Pennie, Edmonds, Morton and Barrows	5.61
Paragon Testing Co.	151.82
RCA Communications, Inc.	24.12
Scientific Glass Apparatus Co.	3.12
Terminal Garage	215.05
	83.98

Total.....\$4,718.73

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4 May 1948

MEMORANDUM

TO: Mr. Milton Weiss

RE: Closing of Books for 1947

Dear Mr. Weiss:

I took a trial balance today which is reproduced below. I am rather confused about it, as you will see. There are also several questions: did you make provision for a Reserve for Taxes account; why the unemployment insurance provision of \$17,69; do I carry over into 1948 Depreciation \$1637.17 or Reserve for Depreciation 3619.47?

Cash	\$ .21	
Accounts Receivable	17,500.00	
Accounts Payable		\$ 4,718.73
Office Equipment	800.86	
Design and Drfg Rm Equipment	268.82	
A. Brothman, Investment		1,452.22
O. J. Vago, Investment	11,385.38	
M. Moskowitz, Investment	369.76	
Deposits Receivable	165.50	
Loans Payable		13,918.00
Accruals		14,146.47
Petty Cash	25.60	
Service Income		4,000.00
Social Security		7.05
Withholding taxes		10.00
Library	215.35	
Des. and Drg. Rm. Furniture and Fix.	21.79	
Laboratory Equipment	1,421.15	
Laboratory Instruments	1,384.09	
Laboratory Furniture and Fixtures	718.71	
Depreciation	1,637.17	
	\$35,914.39	\$38,252.47

I'm really afraid I have messed up something.

Sincerely,

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ADMINISTRATIVE PAGE (CONT'D)June 18, 1948  
25

Mr. Milton Weiss  
1505 McCombs Road  
Bronx, New York

Dear Mr. Weiss:

Enclosed you will find the various schedules you requested, in addition to a revised trial balance for May 31, 1948.

The revisions in the trial balance are these: Sales Taxes (#70) was added incorrectly and should be \$.10 less than you took off. I checked this very carefully; this would account for the \$.10 difference we had yesterday. The starred items (#27 and #105) have been reduced each by \$150. for the following reason: We were forced to return \$150 to a client who had paid us last year for some lab work. The question arose in April 1948 and we paid it during that month. I thought, however, instead of reducing our Service Income account, I would charge the item to Lab Rent and Services. Now, since Mr. Vago can raise a question about it if for no other reason than to doubt the veracity of the books, I thought it would be better to correct the situation. I therefore entered a credit against Service Income and deleted the credit from Lab Rent and Services for April 1948 in the amount of \$150, thereby reducing both accounts.

So far as the accruals are concerned, you will note the statement starred against the item of \$913.75. We paid Mr. Rabinovitch \$100 on account during March 1948. Under the accruals for 1948, there is a questionable item of \$1,000 due Mr. Maxwell Levy, and is explained as follows: We borrowed \$5,000 from J. Kline who got it for us from Levy. The charge we agreed to pay was \$1,000, so when we borrowed the \$5,000 we actually signed a note for \$6,000. The total amount is due July 1, 1948. I don't know if this item can be included under accruals since it is not due until July 1. You will have to decide that.

I don't want to harass you to hurry, because I know you keep pretty busy, but if you can possibly manage it without inconvenience I'd like to finish up as soon as possible with getting the books in order.

Sincerely,

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A. BROTHMAN AND ASSOCIATES  
TRIAL BALANCE  
May 31, 1948

Folio	Account	Dr.	Cr.
1	Cash	\$ 17.50	\$
3	Accounts Receivable	17,500.00	
5	Accounts Payable		5,857.91
7	Office Equipment	889.84	
8	Design and Dfg. Rm. Equipment	322.90	
9	A. B. Investment		1,452.22
11	O. J. V. Investment	11,385.38	
12	Deposits Receivable	165.50	
13	M.M. Investment	369.75	
15	A. B. Drawing	2,675.00	
17	O. J. V. Drawing	1,076.05	
19	M. M. Drawing	578.00	
21	Loans Payable		21,368.00
23	Accruals		14,046.47
24	Reserve for Depreciation		3,619.47
25	Petty Cash	10.23	
27	Service Income		4,530.76
30	Salaries	2,085.00	
33	Office Rent and Services	833.74	
37	Office Tel. and Tel.	256.85	
39	Office Supplies	66.09	
41	Blue and Photo Prints	93.66	
44	Business Expense	107.73	
45	Accounting Fees	100.00	
46	Legal Fees	885.23	
47	Postage	69.76	
49	Travel Expense	2,180.97	
51	Entertainment	186.25	
53	Office Insurance	141.55	
54	Professional Services	350.00	
55	Social Security Taxes (Employees')		10.40
59	Car Expense	321.28	
61	Withholding Taxes		125.20

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63	Library	219.81
65	Taxes Paid (U.I., S.S.)	88.23
67	Drafting Rm. Supplies	13.57
70	Sales Taxes	38.99
77	Fares	21.25
*105	Lab Rent and Services	161.42
107	Laboratory Glassware	232.55
114	Lab. Supplies and Chemicals	293.55
117	Transportation Charges	34.20
119	Laboratory Equipment	2,882.22
121	Lab. Tel and Tel	111.03
125	Lab. Linen and Laundry Service	34.05
129	Lab. Instruments	2,614.12
133	Lab. Furniture and Fixtures	1,597.56

\$51,010.43

\$51,010.43

A. BROTHMAN AND ASSOCIATES

Accounts Payable as of May 31, 1948

Advance Printing Co.	\$ 15.15
American Cyanamid Co.	11.42
American Instrument Co.	51.00
Brooklyn Union Gas.	4.26
Beck and Herr	32.00
Consolidated Edison Co.	16.43
Commercial Towel Service	13.88
Cleary, Gottlieb, Friendly and Cox	3,861.95
Dictaphone Corp.	36.45
Eimer and Amend	84.16
Exchange Linen Service	9.30
Martin M. Goldberg, Insurance	56.70
Serge Jarvis	600.00
Keuffel and Esser Co.	47.08
Liquid Carbonic Corp.	.20
Machlett and Co.	28.98
Matheson and Co.	35.05

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Miscellaneous:

Bilkay's Express	\$1.17	
Amer. Chemical Society	1.70	
Elk Welding Co.	.40	
R. Reguer	84.85	
Tifet Electric Co.	102.00	
Harry Wilson Stationer	3.54	
Niagara Electric Co.	96.42	
Gertrude Kogon	60.00	350.08
NY Telephone		71.38
NY Public Library		5.50
Pine Hill Crystal Spring Water		11.22
Pennie, Edmonds		251.55
Paragon Testing		4.32
RCA		53.57
Rohm and Haas		4.49
Scientific Glass Apparatus Co.		156.31
Terminal Garage		45.48

As of May 31, 1948

\$5,857.91

Additional Accounts Payable, June 1, 1948

Hosinger and Bode	\$156.78
Terminal Garage	34.76
Edward Quick	35.00
Julian Brodie and Julius Weiss, Esq.	250.00
Keuffel and Esser Co.	1.10

\$477.64

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A. BROTHMAN AND ASSOCIATES

Accounts Receivable as of May 31, 1948:

Mettur Chemical and Industrial Co.	\$10,000.
Montecatini Societe Generale	500.
Edward Quick	7,000.
	<u>\$17,500.</u>

Loans Payable as of May 31, 1948:

N. Brothman	\$14,178.
Jerome Kline	5,000.
R. V. Ramani	900.
S. J. Moskowitz	890.
Kogon Brothers Nursery	300.
O. J. Vago	100.
	<u>\$21,368.</u>

Accruals as of December 31, 1947:

S. Silberstein, Salary 1946	\$ 150.72
R. Wollan, 1946	550.00
W. Rohall:	
1946 \$1,147.50 (1,147.00)	
1,356.37	2,503.87 (2,503.37)
H. Gold (1946 overtime--however, mutually agreed not due)	2,000.00
H. Gold, 1947 Salary	2,100.00
R. Gerson, 1947 Salary	2,893.63
S. Fanshel, 1947 Salary	1,635.00
H. Rabinovitch, 1947 Salary	913.75 *
P. Levine	1,400.00
	.97 ?
	<u>\$11,146.47</u> ledger entry

\* Paid against this item \$100 3/31/48

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Accruals as of May 31, 1947: (from 1/1/48)

Philip Levine	\$ 1,800.00
William Rohall	960.00
Harry Gold	1,300.00
Robert Gerson	525.00
Maxwell Levy (note dated 4/1/48, due 7/1/48) ??	<u>1,000.00</u>
	<u>\$ 5,585.00</u>



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ADMINISTRATIVE PAGE (CONT'D)

Information Pertaining To The Organization Of The Ulster Chemicals, Inc.

Confidential Informant T-1 has furnished the following data regarding the Ulster Chemicals, Inc.:

It is to be noted that this corporation used the address care of Singmaster and Breyer, 420 Lexington Avenue, New York. The stockholders of this corporation are R. V. RAMANI, President, LOUIS B. SCHEINMAN, Vice-President, SIGMUND J. MOSKOWITZ, Secretary, (MOSKOWITZ is the father of MIRIAM MOSKOWITZ, BROTHMAN'S present business partner), BERNARD PIDTO, Treasurer. T-1 advised further that EMIL Z. BARISH, an original partner of BROTHMAN in A. BROTHMAN and Associates, is also a stockholder in Ulster Chemicals, Inc.

Confidential Informant T-1 furnished a copy of the agreement dated January 23, 1950, which is set forth in its entirety hereinafter:

AGREEMENT made this 23rd day of January, 1950, among ULSTER CHEMICALS, INC., a New York Corporation, hereinafter referred to as the CORPORATION, R. V. RAMANI, whose address is in care of Singmaster & Breyer, at 420 Lexington Avenue, New York City, SIGMUND J. MOSKOWITZ, residing at 772 Boulevard, Bayonne, New Jersey, LOUIS B. SCHEINMAN, residing at Greenfield Park, New York, BERNARD PIDTO, residing at 783 Troy Avenue, Brooklyn, New York, and EMIL Z. BARISH, residing at 21-44 78th Street, Jackson Heights, New York.

In consideration of the mutual covenants herein contained, it is agreed:

1. The individual parties hereto, constituting all the stockholders of the CORPORATION, shall cause to be executed and filed with the Secretary of State of the State of New York, a Certificate amending the CORPORATION'S Certificate of Incorporation, wherein the provision limiting meetings of the Board of Directors to the State of New York shall be eliminated and there shall be added to the Certificate provisions under Section 9 of the Stock Corporation Law, which shall provide for attendance of all the stockholders and of all directors at stockholders and directors meetings and for unanimous approval of all action by stockholders and directors.

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ADMINISTRATIVE PAGE (CONT'D)

2. The by-laws and the minutes of the CORPORATION shall be made to conform with the said provisions of the Certificate of Incorporation.

3. For sufficient consideration previously passing to the CORPORATION or being concurrently delivered to it, stock certificates of the CORPORATION shall be issued to the following persons in the following number of shares:

SIGMUND J. MOSKOWITZ	67 1/2 shares
LOUIS B. SCHEINMAN	67 1/2 shares
BERNARD PIDTO	18 3/4 shares
EMIL J. BARISH	18 3/4 shares

Total 375 shares

4. The stockholders agree to elect the following persons as their directors:

RAMANI  
SCHEINMAN

MOSKOWITZ  
PIDTO

5. The stockholders named as directors agree to elect as their officers the following persons:

President	- R. V. RAMANI
Vice-President	- LOUIS B. SCHEINMAN
Secretary	- SIGMUND J. MOSKOWITZ
Treasurer	- BERNARD PIDTO

6. The persons presently authorized to sign checks for the CORPORATION shall continue the same function.

7. PIDTO and BARISH are subject to a call for payment of One Thousand (\$1,000.00) Dollars each into the CORPORATION'S treasury. Said call may be made upon them by RAMANI, MOSKOWITZ and SCHEINMAN. In the event of such payment by PIDTO and BARISH pursuant to such call, the stockholders other than PIDTO and BARISH shall, in proportion to their stock holdings, contribute a sufficient number of shares, or parts thereof, so that PIDTO and BARISH will each own 22 1/2 shares of the stock of the CORPORATION instead of the presently held 18 3/4 shares thereof. The transfer by the other stockholders shall be made out of their own stock holdings so that the issued stock of the CORPORATION shall be unaffected.

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ADMINISTRATIVE PAGE (CONT'D)

8. No stockholder may assign or hypothecate his stock. No stockholder may sell his stock without first offering it to the other stockholders in proportion to their stock holdings. Such offer shall be made by registered mail to the addresses hereinabove. Such offer shall be made at book value. In determining the book value, goodwill shall be figured at One (\$1.00) Dollar. In determining book value, chemical processes owned by the CORPORATION shall be valued at the cost thereof to the CORPORATION or at the equivalent of the shares of stock issued by the CORPORATION for the acquisition of the processes. No shares of stock shall be sold to a non-stockholder unless the stockholders refuse to purchase such stock. Acceptance of the offer of sale shall be made by registered mail to the offer or within thirty (30) days of the receipt of the offer. Payment at book value shall be made by cash within thirty (30) days of the mailing of the acceptance.

9. MOSKOWITZ and SCHEINMAN are to be employed by the CORPORATION to operate the corporate plant and keep its records. They are to give their full time to the work and are to receive annual salaries at the rate of Six Thousand (\$6,000.00) Dollars per year each. They are not to begin to draw their salaries at the full rate until the plant has made its first commercial shipment. Prior to such time, they are to draw against such salaries, the sum of Fifty (\$50.00) Dollars per week each and are to be allowed the further sum of Ten (\$10.00) Dollars per week each for traveling expenses. Since MOSKOWITZ and SCHEINMAN have stated to the other stockholders that the plant should be in operation within ten (10) weeks, in the event that the first commercial shipment is not made within ten (10) weeks from the date thereof, there shall be a suspension of payments as well as of liability for any salary to them for the period between the (10) weeks from the date hereof and the date of the first commercial shipment.

10. All purchase orders on behalf of the CORPORATION, by whomsoever made, in the event they call for an expenditure on the part of the CORPORATION of Two Hundred (\$200.00) Dollars or more, shall be countersigned by either PIDTO or BARISH.

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ADMINISTRATIVE PAGE (CONT'D)

11. Concurrently herewith, a sales agency agreement shall be executed between the CORPORATION and Processed Chemicals And Coatings Corp., Inc.

12. The certificates issued to the stockholders shall bear upon their face a statement that they are subject to the within stockholders agreement. A copy of this agreement shall be set out in the minutes of the CORPORATION.

13. Since provision is being made for unanimity in the control of the CORPORATION, it shall be the duty of all the stockholders to seek to reconcile their points of view with each other to the end that the business of the CORPORATION may be conducted harmoniously and profitably, without divisions among the stockholders.

IN WITNESS WHEREOF, the parties hereto have set their hands and seals the day and year first above mentioned.

On the same date, January 23, 1950, according to Confidential Informant T-1, ULSTER CHEMICALS, INC., entered into an agreement with PROCESSED CHEMICALS AND COATINGS CORPORATION, INC., 33 North First Street, Brooklyn, New York. It is noted that one MORRIS KUSHEN, Secretary, signed this agreement for PROCESSED CHEMICALS AND COATINGS CORPORATION, INC. This agreement, as furnished by T-1, is also being set forth in its entirety hereinafter:

AGREEMENT made this 23rd day of January, 1950, between ULSTER CHEMICALS, INC., a New York Corporation, hereinafter referred to as ULSTER, and PROCESSED CHEMICALS AND COATINGS CORP., INC., with its office at 33 North 1st Street, Brooklyn, New York, hereinafter referred to as AGENT.

WHEREAS, ULSTER manufactures a certain chemical product known as thioglycolic acid and is desirous of obtaining the services of the AGENT for the purposes of selling and marketing the same and is further desirous of obtaining on credit, for a certain initial period, the raw materials needed for the manufacture thereof, and,

WHEREAS, the AGENT is desirous of selling the said product manufactured by ULSTER under a sales commission arrangement.

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NOW, THEREFORE, in consideration of the mutual covenants herein contained, it is agreed:

1. For a period of four (4) months from the date that AGENT obtains the first order for ULSTER, the AGENT shall obtain and sell to ULSTER at cost on a sixty-day credit basis, such raw materials as may be necessary for the manufacture of said chemical product.

2. ULSTER agrees to pay for said raw materials on the terms above stated, or sooner.

3. AGENT shall have the exclusive rights in and to the sale of ULSTER'S said product. ULSTER shall not, itself, or through others, interfere in any way with this exclusive sales agency. The AGENT'S exclusive sales rights shall, however, be conditioned upon the AGENT'S selling not less than Four Thousand (4,000) Pounds per month of the said acid for the period commencing with six (6) months from the date of the first shipment thereof until one year from the date of the first shipment thereof, (said Four Thousand (4,000) pounds per month minimum shall be further conditioned upon the AGENT'S selling not less than Five Thousand (5,000) Pounds per month of the said acid after one year from the date of the first shipment thereof, (said Five Thousand (5,000) Pounds per month minimum shall be on an average basis, taking into account the twelve (12) months preceding the month of computation). So long as the said minimum quantities are sold by the AGENT, the AGENT shall continue to have the said exclusive sales rights and such exclusive sales rights may not be terminated except for such failure to effect minimum sales. Said exclusive sales rights shall extend throughout the United States, its possessions, and Canada and every State and Province thereof. ULSTER shall make no sales, but shall, instead, refer all inquiries from prospective purchasers to the AGENT.

4. ULSTER covenants that it will set a price for said product that will meet competition and that it will consult with AGENT in fixing a price policy.

5. ULSTER guarantees the quality of the product to the extent that it agrees to accept returns from customers if the product does not meet the specifications under which it is sold. ULSTER agrees to hold the AGENT harmless from any loss, damage or liability which the AGENT may incur or suffer by reason of any defect in the quality or the nature of the product and the manner of placing it in containers. ULSTER agrees to pay to AGENT such additional premiums

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as the AGENT shall be required to pay for product liability insurance to cover the product made by ULSTER and sold by the AGENT. ULSTER shall have the right to demand that in obtaining such insurance, the AGENT shall have ULSTER as well as the AGENT covered as insured under such insurance.

6. ULSTER shall bill the AGENT for all acid shipped by it at the prices referred to in Paragraph "4" hereof. The AGENT shall, for ULSTER'S convenience, bill the customers in the AGENT'S own name and send copies of such bills to ULSTER. The AGENT shall further keep records of payments, customers' accounts and perform all bookkeeping functions incidental thereto, for ULSTER. The AGENT shall deposit they payments received from customers in a special account. The funds in such account shall constitute a trust fund which the AGENT may use only in the following manner:

Upon clearance of customers' payments, the AGENT is to issue forthwith its check to ULSTER for the proceeds less the AGENT'S commissions and any other sums that may be due and payable from ULSTER to AGENT at the time of making said remittance.

ULSTER shall have access to such of AGENT'S records as pertain to AGENT'S business with ULSTER, at all times. AGENT shall have access to ULSTER'S records at all times. Access to records shall mean the right of inspection and copying by representatives of either party, their accountants or attorneys.

7. ULSTER shall reimburse the AGENT for all necessary and reasonable expenses incurred by the AGENT in performing the said bookkeeping functions.

8. ULSTER may, at its option, discontinue the performance by the AGENT of the said bookkeeping functions. Such discontinuance shall not, however, be required so long as the AGENT is providing materials on credit to ULSTER. In the event of such discontinuance, ULSTER shall send to the AGENT copies of all bills to customers and shall pay commissions to the AGENT on the 10th of the month on all goods shipped during the prior month.

9. ULSTER shall pay commissions to the AGENT on the gross amount of sales, as per the following schedules:

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(a) On the first Five Thousand (5,000) Pounds per month, at the rate of Ten (10%) Per Cent of gross sales amount.

(b) On the second Five Thousand (5,000) Pounds per month, at the rate of Eight (8%) Per Cent of gross sales amount.

(c) On the third Five Thousand (5,000) Pounds per month, at the rate of Seven (7%) Per Cent of gross sales amount.

(d) On the fourth Five Thousand (5,000) Pounds per month, at the rate of Six (6%) Per Cent of gross sales amount.

(e) On the sales in excess of Twenty Thousand (20,000) Pounds per month, at the rate of Five (5%) Per Cent of gross sales amount.

10. For a period of Nine (9) months from the date of the first shipment by ULSTER, ULSTER shall pay to AGENT all out-of-pocket sales expenses previously incurred by it, provided, however, that said amount shall not exceed Two (2%) Per Cent of the aggregate sales for that period.

11. ULSTER covenants and agrees that in the event its plant and process, or either of them, used in the manufacture of said thioglycolic acid are sold and ULSTER thereby ceases the production of the said product, ULSTER will pay to the AGENT, Ten (10%) Per Cent of such sale price, unless the AGENT contracts with the purchaser to sell the purchaser's product.

12. The AGENT covenants and agrees to use diligent efforts in the promotion and the sale of said product for ULSTER. The AGENT shall, however, have the right to engage in other business.

13. This contract may not be assigned by either party without the consent of the other in writing first obtained.

14. This contract constitutes the entire agreement between the parties and any modification thereof must be made in writing and signed.

15. This contract shall enure to the benefit of and be binding upon the parties hereto, their successors and assigns.

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IN WITNESS WHEREOF, the parties hereto have caused their duly authorized officers to execute this agreement on the day and year first above written.

Confidential Informant T-1 also supplied a supplemental agreement also dated January 23, 1950, between ULSTER CHEMICALS, INC., and PROCESSED CHEMICALS AND COATINGS CORPORATION, INC., in which it is set forth that: "It is understood that whenever, in the sole opinion of A. BROTHMAN, part of the premises and facilities of ULSTER CHEMICALS, INC., are available for use by PROCESSED CHEMICALS AND COATINGS CORPORATION, INC., such use shall be permitted by ULSTER CHEMICALS, INC. at a rate constituting a prorata division of all costs of operation. Such use shall continue only so long and to an extent as, in the opinion of A. BROTHMAN the space and facilities of ULSTER CHEMICALS, INC. are available without damage to ULSTER CHEMICALS, INC." This agreement was signed by RAMANI for ULSTER CHEMICALS, INC., and by MORRIS KUSHEN for PROCESSED CHEMICALS AND COATINGS CORPORATION, INC. (ULSTER CHEMICALS, INC. has been renting plant facilities at Clifwood, New Jersey, where BROTHMAN, as a chemical engineer, has been supervising the manufacture of chemicals which are used in the preparation of "Toni Hair Wave Lotion").

Confidential Informant T-1 also advised that I. ARNOLD HIMBER, Esq., attorney-at-law, 36 West 44th Street, New York 18, New York, was consulted by ULSTER CHEMICALS, INC. and PROCESSED CHEMICALS AND COATINGS CORPORATION, INC., in the preparation of all of the above stated agreements.



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Personal History Of ABRAHAM BROTHMAN

Confidential Informant T-1 provided the following stated personal history and accomplishments of ABRAHAM BROTHMAN:

January 22, 1947

A. Brothman - Biographical Notes

Born August 15, 1913

Education: Attended John Winthrop Experimental School and Dewitt Clinton High School. Entered Columbia College in February 1928. B.A. degree in June, 1931, summa cum laude. Professional Degree in Chemical Engineering from Columbia University School of Engineering, June 1933.

School Awards:

Harkness Scholarship Award, Columbia College,	1928
Phi Beta Kappa,	1931
Tau Beta Pi	1933
Van Amringe Award for Proficiency in Mathematics,	1929
Whitehead Award for General Excellence	1931
Elseberg Award for Proficiency in Physics	1931
Willard Gibbs Award for General Excellence	
in Physical Sciences	1931
Alumni Award	1931
DuPont Award for Highest Ranking Scholar	
in School of Engineering	1933
Michael Pupine Award for Highest Ranking Scholar	
in Department of Chemical Engineering	1933
Fisk Teaching Fellowship, Department of	
Mathematics, Columbia University	1933
Rhodes Fellowship Award in Mathematical	
Physics (Oxford University)	1933
Mathematics Colloquium Award	1933

Experience

- 1) 1933-1938. Blaw-Knox Division of the Blaw-Knox Co., Inc.  
Chief Engineer. Designed and constructed the following plants:

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Glyceryl Phthallate (Oil-Modified Type) Resin Plant for Adult and Wiborg of Cincinnati, Ohio; 1937.

Dubbs Cracking Plant for Standard Oil of Indiana, Whiting Indiana; 1937.

Vegetable Oil Refining and Hydrogenation Plant for Proctor and Gamble Co. of New Jersey, in 1935.

- 2) 1938-1942. Hendricks Mfg. Co., Carbondale, Pa.  
Chief Engineer. Designed and constructed the following:

Hot Alkylation Process for the Production of isoactane reinforced gasoline (aviation fuel) Plant for the Texas Company at Port Arthur, Texas in 1938.

Urea Formaldehyde Molding Powder Plant for the Bakelite Corp. at Bound Brook, New Jersey in 1940.

Conversion of Naphthalene to Phthallic Anhydride; Esterification of phthallic anhydride with butinol to dibutyl phthallate for the Barrett Company, Philadelphia, Pa. in 1941.

Buna-S Synthetic Rubber plant for the U. S. Rubber Co. at Naugatuck, Conn. in 1940-1941.

Buna-S Synthetic Rubber plant for the Defense Plants Corporation, 1941-42.

Vegetable Oil Refining and Hydrogenation Plant for the Durkee Famous Foods, Division of Glidden Co., in 1941.

Continuous Vegetable Bleaching Refining and Saponification of cotton-seed oil Plant for the Colgate Palmolive Peet Co. of New Jersey, in 1942.

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A PARTIAL LIST OF PUBLICATIONS BY A. BROTHMAN

1. "Robotization of Process Plants"  
"Designing a Robotized Plant for Resin Glue Production"  
By A. Brothman and R. V. Ramani  
Chemical Engineering, November and December 1949
2. "New Process for Acrylic Resins"  
By Richard W. Porter, Assistant Editor, Chemical Engineering  
Chemical Engineering, April 1947
3. "New Analysis Provides Formula to Solve Mixing Problems"  
Chemical and Metallurgical Engineering, April 1945
4. "Continuous Mixing and Reaction Equipment Design"  
Chemical and Metallurgical Engineering, May 1945
5. "DDT Fights Insects in War and In Peace"  
by John A. Callahan, Assistant Editor, Chem. and Met. Eng.  
Chemical and Metallurgical Engineering, October 1944
6. "New Approach to Continuous Reactor Design"  
Chemical and Metallurgical Engineering, July, August and Sept. 1943
7. "Handbook of Plastics" by Ellis and Simonds  
Section on Resin Plant Design by A. Brothman  
Published by Van Nostrand and Co., 1944
8. "Batch-Continuous Process for Buna-N"  
Chemical and Metallurgical Engineering, May 1943
9. "Batch-Continuous Process for Buna-S"  
Chemical and Metallurgical Engineering, March 1943
10. "Design of a Urea Resin Plant"  
Chemical and Metallurgical Engineering, December 1941

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11. "Stuffing Box Design"  
Product Engineering, September and November, 1940
12. "Vertical Shaft Design for Balanced Rotors, with Calculations for High-Speed Rotor Effects" Product Engineering, April 1940
13. "Resin Plant Design"  
Modern Plastics, October 1939
14. "Introduction to Liquid Mixing"  
Chemical and Metallurgical Engineering, October 1939
15. "Mixing Operations in the Paint and Pigment Industries"  
National Paint Bulletin, October 1939
16. "Methods for Emulsifier Choice"  
Chemical and Metallurgical Engineering, May 1939
17. a) "Statistical Approach to the Mechanics and Kinetics of Additive Polymerizations" (to be published soon)  
b) "Criteria for Evaluation of Polycondensation Products and the Kinetics of Polycondensation Reactions" (to be published soon)

Information On Daily Activities of ABRAHAM BROTHMAN  
Between Dates January 1 - April 4, 1950

Confidential Informant T-1 furnished the following notations from a 1950 "Yearbook", the title page of which has the name "A. BROTHMAN, 29-28 41st Avenue, Long Island City."

January 1 Worked five hours on LONZA contract.

January 2 UCI (Ulster Chemicals, Inc.) discussion, re: Funds; 3-3/4 hrs., decision to be made; two hours with RAM in preparation for Dupont talk--IPE (Industrial Process Engineers)

January 3 Four hours on LONZA; IPE meeting evening.

January 4 A.B.--U. S. Plastics 3 P.M. to 5 P.M.; evening, IPC. RAM on Dupont--IPE five hours.

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- January 5 LONZA--9-23 letter seven hours, LONZA one hour; SJM (SIGMUND J. MOSKOWITZ); (UCI, one hour).
- January 6 LONZA--letters, eight hours.
- January 9 A.B.--Dupont 10 hours; RAM Dupont 10 hours.
- January 10 A.B.--Dupont 18 hours; RAM, Dupont 12 hours; LEWISON, four hours; EMIL, four hours; GEORGE, six hours and MAC, four hours--Dupont.
- January 11 A.B. and RAM--Dupont.
- January 12 A.B. with DON or LEVINSON, 12 to 5 P.M.; A.B. on LONZA calculations; A.B. with EMIL 2½ hours; A.B. dinner with LEVINSON (Ulster, U. S. Plastics, etc.)
- January 13 A.B. with EMIL, 2 hours; A.B. with S.M., 2 hours; A.B. with LONZA, 2 hours.
- January 14 A.B.--IPE contract, STORPER--2 hours; A.B. 2 hours LONZA; A.B.--UCI board meeting 1½ hours, proposals--  
 1. CBT as soon as possible and ask if he could do better than he had before in view of IPE;  
 2. in negative with IPE until we decide what to do with B.P.;  
 3. if possible to have B. P. (BERNARD PIDTO) alone
- January 15 ~~JEROME KLINE~~ to visit A.B.; A.B. on LONZA, 9 hours; LEVINSON in office on ICI drug, six hours.
- January 16 A.B.--LONZA calculations, 8 hours; A.B. with B.P. 1 hr.; 2 hours UCI.
- January 17 A.B. 6 hours LONZA with E.Z.B. (BARISH); A.B. IPE Conference evening.
- January 18 A.B.--LONZA 10 hours.

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January 19 A.B., Kraft, 2 hours; IPE

January 20 "Black Friday"; January 20 LONZA letter; ~~EMIL~~ *Donich*  
(scratched out) IPE

January 21 "Black Saturday" STOPER; IPE 2 hours; IPE 2 hours;  
LONZA--finish of letter

January 22 Three hours laboratory--IPE office

January 23 Four hours--Ulster--B.P. and E.Z.B.; three hours  
USI--IPE; four hours, Laboratory--IPE.

January 24 LONZA calculations; IPE--evening.

January 25 LONZA calculations

January 26 LONZA letter worked today

January 27 ~~JERRY~~ KLINE; LONZA calculations

January 28 ABE at Matawan full day

January 29 ABE on distillation system for LONZA

January 30 " " " " " "  
LEWISONS evening

January 31 ABE on IPE work, four hours; Brinney and Smith  
Seagram, EMIL Farine Acid; LEWISON, evening.

February 1 ABE, three hours, Brinney and Smith; Don Lewison  
E.Z.B., LONZA

February 2 A.B.--LEVINSON evening; LONZA, E.Z.B.

February 3 ABE--LONZA, 1 hour; ABE lecture eight hours.

February 4 ABE--B.P.--Ulster 4 hours; LONZA 2 hours.

February 5 LONZA four hours

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February 6 LONZA six hours; E.Z.B. two hours; UCI 2 hours  
(RVR)

February 7 LONZA six hours; IPE conference

February 8 IPE eight hours

February 9 IPE eight hours

IPE three hours  
(E.Z.B. on LONZA three hours)

February 10 A.B. on Farine acid with E.Z.B.

February 11 ABE--LONZA

February 12 ABR on Stanley's Derivation

February 13 ABE on LONZA calculations

February 14 ABE on LONZA \_\_\_\_\_ calculations with E.Z.B.; Barish  
IPE conference

February 15 ABE on LONZA \_\_\_\_\_ calculations

February 16 ABE on \_\_\_\_\_ calculations

February 17 " " "

February 18 " " "

February 19 \_\_\_\_\_

February 20 \_\_\_\_\_

February 21 ABE called DUBOIS today IPE; IPE conference  
in evening; ABE turned over filter drawings  
to IPE--Get Receipt

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February 22 ABE on LONZA

February 23 ABE on LONZA \_\_\_\_\_; ABE evening conference UCI; ABE with Stanley on telephone one hour.

February 24 ABE on LONZA specifications. ABE with E.Z.B. on IPE; ABE one hour on Kymene Aktebolog; ABE on letter to KLINE for letter to UCI, three hours. *Revised*

February 25 ABE on LONZA \_\_\_\_\_ plant specification 4 hours revising wiring diagrams; ABE with LEWISONS in evening, re: Ulster bill.

February 26 ABE in Lab for UCI eight hours; ABE conference with IPE.

February 27 ABE UCI letter to KLINE; ABE--LONZA specifications; ABE and EMIL to St. Louis

February 28 ABE in St. Louis, mail to ABE

March 1 ABE in St. Louis

March 2 ABE in St. Louis; return 5 P.M.--conference with AL in evening; EMIL at Lab

March 3 ABE at LONZA--evening, LONZA

March 4 ABE in Matawan; evening, LONZA

March 5 ABE in office 6 - 11 on LONZA

March 6 ABE on LONZA; ABE--conference with B.P. one-half hour; ABE sales meeting--IPE

March 7 ABE lunch with E.Z.B.; ABE conference with IPE; ABE on DUBOIS and NICHOLS letters

March 8 ABE--discussions with RAM on UCI and also re: finances

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March 9 ABE four hours on ROAM and HAAS; ABE--UCI letter to KLINE--also on LONZA

March 10 ABE--LONZA--left 4 P. M. for Matawan; ABE ten hours--UCI

March 11 ABE--LONZA six hours

March 12 " " ten hours; UCI discussion, 2 hours

March 13 ABE four hours wasted in A.M. waiting for plane for IPE to Boston; ABE six hours LONZA; 2 hours IPC left 11:30 P.M. on train for Boston.

March 14 ABE in Boston today.

March 15 ABE on LONZA

March 16 ABE on LONZA and with E.Z.B. on IPE *Banish*

March 17 A.B.--LONZA and IPE

March 18 A.B.--LONZA

March 19 A.B. on LONZA; meeting at Lewisons

March 20 A.B. on LONZA; ABE on POM; ABE on letters for IPE

March 21 A.B. on POM, LONZA; IPE

March 22 ABE on LONZA

March 23 \_\_\_\_\_

March 24 \_\_\_\_\_

March 25 A.B. at Matawan

March 26 \_\_\_\_\_

March 27 A.B. on LONZA

March 28 " " "

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March 29	A.B. on LONZA
March 30	A.B. on LONZA
March 31	A. B. on LONZA
April 1	A. B. on LONZA
April 2	A. B. on LONZA
April 3	A. B. on LONZA
April 4	A. B. and <u>E.Z.B.</u> ( <u>BARISH</u> ) at Belgian firm, LONZA

Address Books

Confidential Informant T-1 also furnished copies of two address books known to be in the possession of BROTHMAN, the first of which appears to be BROTHMAN'S personal address book. The second of these address books is known by the Informant to have been in the possession of MIRIAM MOSKOWITZ, BROTHMAN'S business partner, and probably is the book used by the firm A. BROTHMAN and Associates. The names and addresses of persons and firms contained in each of these books is being set forth hereinafter.

## Book #1:

## A - B

ANITA ~~BROTHMAN~~  
ELSA ~~BROTHMAN~~  
IR 6-7769

AMERICAN POLYMER CORP.  
Peabody, Mass.  
Peabody 2222

\*BARISH, EMIL WH 3-0096  
2144-78 St. J. H. AS 8-

\*BROWN, CHAS. O. VA 6-3335  
331 Madison Av.

## C - D

CITY CHEMICAL CORP. WA 9-2723

CHEM. & MET. LO 4-3000  
330 W. 42 St.

CHEM CLUB LE 2-7649

DEUTSCH, ZOLA B. MU 6-7155  
70 E. 45 St. RYE 1603

E - F - G

EIMER & AMEND WA 4-7200  
Greenwich & Morton Sts.

\*GOTTLIEB, LEO DI 4-0600  
52 Wall St.

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ADMINISTRATIVE PAGE (CONT'D)

H - I - J

INDUSTRIAL PROCESS ENGINEERS WA 3-0096  
8 Lister Av., Newark

JEFFERSON CHEMICALS PL 9-3900  
(Dr. BOWMAN)

K - L

\*KOOPMAN, B.O. RI 9-9173  
430 W. 118 St. NY 27 UN 4-3200 X 121

\*KULLMAN, WALTER DI 4-4028

\*KIERNAN, T. J. DI 4-0600  
52 Wall St.

\*KAHN, ELINOR  
1901 Cal St. S.F. 9

KORCHIEN, JULES  
114 E. 32 St.

LONG ISLAND BLUEPRINT CO. ST 4-7242  
29-32 Northern Blvd.

M - N - O

MOSKOWITZ, MIRIAM WA 9-3792  
151 . 8

MATHESON CO. RU 2-6970  
E. Rutherford, N.J.

\*MANDELKORN, S. DI 4-9760  
67 Jane St. CH 2-6851 EZ 5-1355

METAPLAST CO. CH 2-5710

\*NADEL, P. 154 Nassau St. BA 7-5462  
79 Schenck Av., Bklyn. AD 7-4935

\*OTTOLENGHI, MARIO DR. DI 4-1920  
21 West St.

P - Q

\*PIEL, GERARD IO 4-0330 AL 4-0477  
138 W. 12 St.

PROCESSED CHEMICALS EV 7-1790  
230 Kent, Bklyn.

PIDTO, B. PR 4-2518  
783 Troy Av., Bklyn

PLASTICHROME LAMBERT 3-5883

POST OFFICE - 33 St. PE 6-7700  
La Guardia Field NE 9-2686

PCM SPEEDWELL 9152

QUICK, EDW. NE 9-8249

PAN AMERICAN AIRLINES ST 6-0600

R - S

ROSS, ALICE DI 7-7661  
29 W. 89 St. SC 4-7037

R. V. RAMANI IR 6-5597  
Ananda Villa  
TN. Ex. Kumbakonam, India

SCIENTIFIC GLASS CO. RE 2-611J  
Bloomfield, N.J.

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

T - U

TOWNSEND, ROBT. Glen Cove 5665-W  
72 Bayview Av. Pt. Wash.

\*TRANS. AMERICAN DEVELOPMENT CO. VA 6-0540  
60 E. 42 St.

TANG, Y.C.  
8 Yung - Fong - Li  
Kwan - Fu - Lu  
Hangchow, Chiaking, China

I - Y - Z

\*YAHRAES, HERBERT  
R.F.D. Stanfordville, N.Y.

V - W

NORTHINGTON PUMP LE 2-8427

\*WENDIS, JOHN CI 7-5000

WOLLAN, G. N.  
Dahlonga, Ga.

WOLLAN, ROLE  
Glenwood, Minn.

WESTCHESTER LIGHTING CO. Ossining 2400  
125 Main St., Ossining, N.Y.

Book #2:

AMERICAN AIRLINES HA 6-5000

ADVANCE PRINTING CO. MU 9-4717  
324 E. 24 St. NY 10, NY, ROTHMAN

AMERICAN POLYMER CORP. PEABODY 2222  
Peabody, Mass.

BROTHMAN, A. IR 6-7769  
4108 42 St., L.I.C.

BARISH, EMIL AS 8-7945 LO 5-7245  
2144 78 St., Jackson Heights  
WH 3-0096

BRISTOL CO. CI 5-4953  
250 W. 57 St.

(ERUST BERGMANN) RH 4-4200

BROWN, CHAS. O. VA 6-3335  
331 Madison Ave.

JULIAN BRODIE PL 3-9533  
420 Madison Av.

THE BROILER IR 6-2576  
40-27 Queens Blvd. IR 6-9681

CITY CHEMICAL WA 9-2723

CHEM. & MET. LO 4-3000  
330 W. 42 St.

COLLECTOR OF INTERNAL REVENUE  
210 Livingston St., Bklyn.

Chemist Club LE 2-7649

\*DEUTSCH, ZOLA B. MU 6-7155  
70 E. 45 St. RYE 1603

E. I. DU PONT de NEMOURS  
Wilmington, Delaware  
Wilmington 4-5121

NY 100-95068

ADMINISTRATIVE PAGE (CONTD!)

DEUTSCH, ZOLA B. MU 6-7155  
70 E. 45 St. RYE 1603

~~X~~ GASTON DUBOIS  
1725 Railway Exchange Bldg.  
St. Louis, Mo.

EIMER & AMEND WA 4-7200  
633 Greenwich St.

EUSTER (FURNITURE) LE 2-9796

EASTMAN KODAK CO.  
133-35 Roosevelt Av., Flushing

~~X~~ FANSHEL, SOL. RE 9-7074  
86-20 162 St., Jamaica

FLAGG WI 2-3000  
Middletown Hotel

~~X~~ FELDMAN, S. Rahway 7-1200 X 503  
242 Wm. son St., Eliza.

GRAVER TANK & MFG. CO. E.CHI. 204  
E. Chicago, Indiana Saginaw 7054

GRAND CENTRAL STATION MU 6-9100

GENSUP GR 7-7211  
41 E. 14 St.

GRAVER EL 5-1123  
424 Madison Av., NYC PL 3-7372

GERSON, ROBERT 201 W 77 IL 9-6257  
64-34 99 St. Forest Hills TR 4-2163

LEO GOTTLIEB HA 2-8989  
52 Wall St., NYC

HARRY GOLD Pilgrim 8492  
6823 Kindred St., Phila.

~~X~~ H. GOTEINER 45 Church St.  
Paterson, N.J.

~~X~~ EMIL GARDOS  
Vegyipari Tanulmányi Iroda  
Budapest Terezkorut 39

~~X~~ HALPERN, I. K. AU 3-4586  
622 W. 137 St. (31) Tues. & Fri. p.m.  
EV 9-3662

~~X~~ T. C. HSU #2 B  
395 Riverside Dr.

INTER-MARITIME FORWARDING CO. WH 4-5720  
38 Pearl St. NYC European Mgr.

INDUSTRIAL PROCESS ENGINEERS WH3-0096  
8 Lister Av., Newark 5

JARVIS SERGE LE 2-3834  
10 E. 40 St. -7560

~~X~~ KOUPRINOFF, ANDREW ES 2-0312  
2339 Bath Av., Bklyn.

KLEIN, M. A. KNIGHT CO. CH 4-6145  
55 W. 42 St.

KAISER ENGINEERS CI 6-4725  
Rm. 310, 620 5 Av., NYC

~~X~~ H. JAFFER new address: RFD 1, PL 5-9101  
Box 186 A  
New Brunswick, N.J.  
Milltown, N. J. Milltown 8-0391 - J?

~~X~~ ERNEST LEE  
1390 Milford Terrace  
W. Englewood, N.J.

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

B.O. KOOPMAN RI 9-9173 UN 4-3200  
430 W. 118 St., NY 27 X 121 ?

WALTER KULIMAN DI 4-4028  
26 Platt St.

KLINE, JEROME Rittenhouse 6-1200  
1011 Finance Bldg.  
1416 So. Penn Sq. Phil. 2, Pa.

\*KIERMAN, THOMAS J. DI 4-0600  
52 W

JAMES X JAFFE AP 7-6377  
440 Liberty, Bklyn.

KAHN, ELINOR Ordway 9022  
1901 Cal. St.  
San Francisco 9, Cal.

KORCHIEN OR 9-3794

JEFFERSON CHEMICALS PL 9-3900  
(DR. BOWMAN) MR. SKOVEL

LONG ISLAND BLUE PRINT CO. ST 4-7242  
29-32 Northern Blvd., LIC

LEBOW MU 7-7100

RUDY X OWEN, c/o ?  
Providence, R. I. 4302

ERNEST LEE CI 6-8990  
1390 Milford Terrace, Teaneck 6-8375  
W. Englewood, N. J.

HARRY X LEVINE Leaminster 207  
Leaminster, Mass. CI 7-0300

SI X LIPSHITZ MU 3-8521

HERRN DIRECTOR E. SCHENKER  
LONZA ? WERKE  
A ESCHENVORSTADT 72  
Basil, Switzerland

DAVID X LICHTURM  
190-06 C 69 Av., Flushing

MOSKOWITZ, MIRIAM WA 9-3793  
151-8 AV. NYC

\*MILLER, JACK MU 2-1720  
3464 Knox Pl. Bronx OL 5-3190

MATHESON CO. (compressed gas)  
E. Rutherford, N.J. RU 2-6970

MANDELKORN, S. DI 4-9760 CH 2-6851  
67 Jane St., NYC ES 5-1355

MERCURY MESSENGER IE 2-0543

METAPLAST CO. CH 2-5710  
Dr. Marlies

MISHKIN RH 4-7735  
53 E. 75 St.

COLONEL GUSTAVE MOUTET  
Ministere Des Colonies Rue Ondino

CLARE LA 4-9555  
c/o M. Goldberg Co., 1440 Bwa

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

MILLIE OR 4-2337

PHYLLIS - office ST 6-2960

THE TCAUANCORE & METTUR CHEMICALS (R.V.RAMANI)  
Ayyampalayam House  
1 Alexandra Rd.  
Cantonment  
Trichinopoly, (Madras Presidency)  
India

Cable address:

1- Electolite  
Trichinopoly

Cable address:

2 - Chemicals, Metturdam

3 - Fact Always

S. Ramaswamy

Mettur Chemical & Industrial Corp., Ltd.

Mettur Dam R.S. (Salem Dt.)

Madras Presidency

South India

Also:

Fertilisers & Chemicals, Travandore, Ltd.

Udyogamandal P.O.

Always (Tranancore Stated, South India

V. Sashasayee

K. K. Ramani

NADEL, P.

OTTO ~~X~~ LENCHI, MARIO, DR. DI 4-1920  
Montecatini Soc. Gen. 21 West St. NY 6

I. G. ~~X~~ NEEDLEMSIE IE 2-4676  
210 Madison Av., NYC AC 2-6910

~~X~~ MILT, DOT AP 7-9225  
95 Fountain Av., Bklyn. CI 7-7277

NADEL, P. 154 Nassau St. BA 7-5462  
79 Schnck Av., Bklyn. AP 7-4935

AARON ~~X~~ NEVELSTEIN Hightstown  
1126 R 11

N STATE DEPT. OF LABOR  
Scott (Erholm Trenton 2-2131

NATIONAL SOLVENTS CORP.  
Mr. VELLANO

PIEL GERARD AL 4-0477

PROCESSED CHEMICALS 1790-1  
230 Kent Av., Bklyn

PENNIE, EDMONDS, MORTON & BARROWS  
247 Park Av. PL 3-5360

ROSS POWELL ASSOCIATES  
405 Park Sq. Bldg. Boston

GERARD PIEL LO 4-0330 AL 4-0477  
138 W. 12 St.  
c/o DENNIS FLANIGAN PL 8-3187  
55 E. 53 St.

H. K. ~~X~~ PORTER, Pittsburg, Pa.  
(W. W. ~~X~~ CALLAHAN, Dir. of Sales)  
50 Church St. NYC  
Atlantic 1308  
BA 7-2078

PROCESSED CHEMICALS EV 7-1790  
230 Kent Av., Bklyn.

BRUNO ~~X~~ RIDTO PR 4-2518  
783 Troy Av., Bklyn.

PLASTICHROME LAMBERT 3-5883

POST OFFICE PE 6-7700  
LaGuardia P.D. NE 9-2686

~~X~~ QUICK NE 9-8249

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

PCM Speedwell 9152

PAN AMERICAN ST 6-0600

PHARMA CHEMICAL CO. BAYONNE 7-1900  
Bayonne, N.J.

Dr. ~~MARKUSH~~ - J. ~~MILLER~~ AL 4-0826  
Delaware 3-4759 (home)

~~ROSINGER~~, LARRY MU 5-5740

~~ROTHEBERG~~, PINCUS, DR. CI 6-9680  
MONTROSE CHEMICAL  
10 Rockefeller Pl.  
120 Lister Av. MI 2-6810

MRS. ~~HARRINGTON~~ BU 8-5907  
~~ROSENSTEIN~~, LUDWIG MU 9-7700

TEXAS CO. (111 E. 32 St.)  
405 Lex. Av. MU 5-2466 RYE 1053

ALICE ROSS Office CI 7-7661  
29 W. 89 St. Home SC 4-7037

RCA HA 2-1811 MU 9-1891  
TR 5-3953

ROHN & HASS LOMBARD 3-9260  
222 W. Wash. Sq. Dr. D. ~~FREDERICKS~~  
5400 Richmond St. - Dr. ~~ANDREWS~~, DELAWARE 6-5900

RIEGER (Car Insurance) BO 9-4135

~~ROSENSTEIN~~, LUDWIG YUKON 2-0556  
Rm 629 111 Sutter St., San Francisco

SAUL ~~ROSENTHAL~~ TR 5-6918  
Bklyn Polytech TR 5-5371

~~WM. ROHALL~~ SE 3-1715

S. V. RAMANI "ANANDA VILIA"  
Town S. VAIDYANATHA AYYAR ST 4-2288  
EXTENSION KUMBAKONAM

TANJORE DT., MADRAS Pres.  
S. INDIA Phone 73

~~IRVING~~ ~~LRABR~~ LU 2-2660

RAM IR 6-5597  
4215 43 Ave. L.I.C.

SCIENTIFIC GLASS CO. N.Y. CO 7-5265  
Bloomfield, N.J. RE 2-6115  
Bloom 2-7200, 3452

SLAVIN MO 2-5809

~~SILBERSTEIN~~, ~~SHOLEM~~ MA 6-1713

SAUMENICHT BA 7-5657

KARL ~~SCHMEIDLER~~  
Riverside Plaza, NYC  
61 Belize Pk. Gardens  
London, N.W. 3

MARTIN E. SEGAL & CO. EL 5-5232  
17 E. 49 St.

~~HERB~~ ~~SCHAPIRO~~ - office Union 3-2616

~~RAY~~ ~~SHORR~~ CH 2-0069  
116 MacDougal St.

L. B. ~~SCHNEINMAN~~  
c/o Lonstein & Lounsberry  
Ellenville, N. Y.



NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

SPEISER & SPEISER, ESQS.  
Gerard Trust Bldg., Phila.

TED LEE EV 9-8727  
CH 4-1352

TANG (Home) APT. 6B UN 4-8019  
431 Riverside Dr., NYC

ROBERT TOWNSEND Glen Cove 5665-W  
72 Bayview Av.  
Pt. Washington, L.I.

Trans-American Develop. Corp. VA 6-0540  
60 E. 42nd St.

TRUST LITHO CO. MR. GREEN IE 2-2034

OSCAR J. VAGO IL 9-6584  
6607 99 St. Forest Hills

~~X~~ VAN ~~X~~ DOREN, NOWLAND MU 2-3190  
Schladermund Ind. Des. Core

(NORMAN PRINCE, EBLOVI)  
220 E. 42 St.

TOKARSKI ST 4-9623

Y. C. TANG  
8 Yung - Fong - Li

~~X~~ KWAN ~~X~~ FU ~~X~~ LEE  
Hangchow, Chiakiang  
China

U. S. INDUSTRIAL CHEMICALS MU 2-6700  
60 E. 42 Dr. BASS

WORTHINGTON PUMP (KOHL) IE 2-8427  
2 Park Av.

C. S. WAN- UNIVERSAL CI 5-7646  
630 5 Av. NYC LAB RI 9-4189

C. S. WAN (Home) MO 2-5368  
524 W. 114 St., #4B

WESTVACO CHLORINE PROD. MU 9-4920  
DR. BOWMAN

~~X~~ WENDES, JOHN CI 7-5000

WESTERN UNION WO 2-7111

~~X~~ ALEX ~~X~~ WEBER BA 7-6348  
327 E. 49 St.

WORTHINGTON PUMP IE 2-8427  
2 Park Av.

C. S. WAN MO 2-5368  
524 W. 114 St. #4B

WESTERN UNION WO. 2-7111

YORK INDUSTRIES YORK 5551

G. N. WOLLAN, Dahldnega, Georgia

MILTON WEISS OR 3-4313  
453 E. 14 St.

C. FREDERICK ~~X~~ WOLFE DA 6-2860  
75-02 88 St. Glendale, L. I.

ROLF WOLLAN  
Glenwood, Minnesota

HERBERT YAHRAES  
Red Stanfordville, N.Y.

WESTCHESTER LIGHTING CO. OSSINING 2400  
125 Main St., Ossining, NY

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

Confidential Informant T-2, of known reliability, furnished an address book known to have been in BROTHMAN's possession, which contained the following names and addresses:

ASTROVE	MU 3-8610	THELMA ABRAMS	Lex 7-8217
<del>LEO ADLER</del>	Sus 7-5100	Rm 11C1-192 Lex.	
327 Central Pk W-NY25		SID AUERBACH	Trenton
ANG	MU 3-9465	25 N Montgomery	4-8195
Art Metal-369 B'way	CA 6-3060	AGLOW	CI 6-6587
Demois		Artcraft	WA 5-5538
Mr. NORTON OTIS	CH 4-8000	ARCH PORUM	Long 5-1040
<del>C ARONOV</del>	Green 1778	BATO	Orange 3-1704
ANDREW CARPENTER	Esp 2-0312	SAM BERKOWITZ	Long 5-0817
2339 Bath Ave., Bklyn.			
ACA Marine Div.	Col 7-6397	Cowen & Kutosh	HA 5-3031
Amer. Russ Institute	MU 2-0212	CLEMENT	Decatur 7300
	LE 2-5472		Ext. 418
<del>C ASHER</del>		CURRAN	BE 3-0181
Miss SCHUSTEIMAN SEITZ	MU 5-8030	Chorus Equity Assoc.	
KATHERINE B. ADAMS		of Am.	
40 Mt. Vernon St., Boston 8		701 7th Ave.	
HONORE ARMSTRONG	MU 4-3457	Ruth Richmond-Ex-Secty	

ADMINISTRATIVE PAGE (CONT'D)

ALEX <del>CROSBY</del>	Rac 4-4699	POLLY - 2 Calle Toft	
Consolidated Sign	AL 4-7752	Santurce - San Juan, Puerto Rico	
ARTHUR <del>CAPLAN</del>	Can 6-1316	JAMES <del>DOGGAN</del>	EL 5-5386
CONSOMONO	BO 9-5656	315 E. 58	
Chelsea Management	Gra 7-7300	DODAL	CI 5-5750
Mr. CARPENTER	CH 4-0795	DANOELSON, 75 Wallst.	WH 3-1272
Miss --- CORR - Home -	MU 5-6673	Miss <del>DAVIDSON</del>	WA 9-7993
Office	Cor 7-1970	Demi Not Com	MU 3-4300
C.H.C.	LO 3-5990	PHYLIS <del>DEARBORN</del>	MU 5-5873
Circle Floor	Col 5-6897	125 E 39	
SAM <del>COHEN</del>	FO 4-7386	Mrs. FRANCES <del>DODGE</del>	ED 4-0150
1 Pen 6-6000 Pen 6-5300			MU 3-2080
GEORGIE <del>CHAKIN</del>	BO 8-4109	DAVE <del>CRUCKER</del>	MU 2-5280
HILA <del>COLMAN</del>	WA 5-3576	40 E. 45	
Home		Miss DODGE	Walker
BARNEY <del>CONAZ</del>	WO 2-3145	128 Christopher St.	5-2658
	UN 9-5534	JAY <del>DEISS</del>	MU 5-1743
HILDA <del>BERYL</del>	Santa Monica	JOHN <del>DAVIS</del>	LAC 4-8229
914 Corsica Drive	5-1809	B. <del>DODD</del>	Wis 7-9381
Pacific Palisades,		FLETCHER (FOX)	AC 8553
Los Angeles, Calif.		FERNO	MU 5-9739

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

FUERTH

CA 4-2740

\*FISH, HAROLD S.  
Marlborough Apts. 2-G  
Eutaw & Wilson Sts.  
Baltimore, Md.

FINKELSTEIN IRON WKS

Leh 4-3342

M\*FEIN

Van 6-2402

ROGER \*KERRI  
7 E 42nd Rm 904

MU 2-7476

J\*FAHY

GR 7-4163

Feldman Bros  
E. 62 St

FOX

WH 4-3512

JOSEPH \*FRIED  
2182 Bway  
173 W 76th

MAX \*FRIEDMAN  
475 Throop Av., Bklyn.

Glen 5-4692

Furness St. Council

POTASH

ME 3-5063

B--T

CH 2-5450

GOLD

F. NCHL

MILTON \*FISCHER

BLOOM - ED Real Est.

Mrs. \*BARISH

IRVIN J. \*BERGER

BLUMENKRANZ

BALABAN-GORDON  
(NORMAN \*MAC LEOD)

ADD \*BATES  
119 Broad St.

\*BRODSKY

SAM \*BANON

ED \*BARACH  
405 E. 62  
(1148 5th Ave.)

DICK \*BARR

BEGUN

GR 7-3401

SE 3-5741

EX 4160  
ET 674

CI 5-7490

CH 2-3828

PL 8-3242

Riv 9-0846

MU 5 9696

WH 3-9075

LA 4-5165

ALG 4-7954

Reg 4-3454

CI 6-4400  
Ext 305

Jer 7-9156

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

A ~~X~~BERENSON

1729 F N.W.

EUSTER

Lex 2-9796

S ~~X~~BOGORAD  
865 1st Ave. (49 St)

PL 3-6252

EPWORTH

- Dig 4-6566

Bklyn Edison  
Mr. UNDERHILL

TR 5-7500

EARNSHAW

Wat 9-5363

Birchall Bros

Bry 9-0103

Emerson (Contractor

MU 5-4939

Bachman (Modern Furn)

Lex 2-6763

EGGER

BR 3-9580

ALEX ~~X~~BRASSL

Whit 4-8260

ANDREW ~~X~~EMERY  
RFD #1

MU 3-9358

Banker

Alg 4-3977

Griggstown Home  
Princeton, N.J.

AL 4-7882

Buenis

Circle  
5-8861

Miss PAULA ~~X~~ELKIND  
319 W 26th St.

UN 4-9371

MARION ~~X~~BRAND

WA 5-3527

L.H. ~~X~~ELKIND  
2850 Claflin Ave.  
Bronx

KI 3-2349

MARION ~~X~~BACHRACH

MU 4-6465

Eastern Sheet Metal  
(Seidel)  
East NY Wor-----  
587 Hendrix St.

CO 5-2039

O ~~X~~BERNSTEIN

Bow 9-3939

J ~~X~~BLUMBERG

TR 4-3200

Appel 6-8545

Basol Bass  
22 E 40

Ash 4-3982

GELMAN

AT 9-4070

H ~~X~~BERYL

Vol 5-2500

Gaynor Painters Union

Day 3-8073

Bklyn Bldg Dept  
Abram-ext 231

TR 5-7100

L. Goldberg Co-  
801 W 181st St.

Wads 7-3592  
MU 3-1094

ST. JAMES

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

GREENBAUM	EV 7-1720	IVENS	CI 5-7860
GOLDBERG - Painter 801 W 181	Wad 7-3592	ICCASP	CI 6-5417
GOODWIN	EL 5 6952	S. <del>X</del> KOGAN	LO 7-5293 AL 4-7733
GEISZ	LO 3-6742	IRV KATZ-Mercantile Credit Atty 845 Stebbins Ave. Bronx 59	
MORRIS <del>X</del> GITTLEMAN 1010 Lincoln Pl. Bklyn 13	Pres 2-2175	LEON <del>X</del> JOSEPHSON	Wat 9-2255
CHARLOTTE <del>X</del> HONIG 7 E. 44 St.	MU 2-7792	SANDY <del>X</del> KNOWLTON 50 E 64 St	
DICK <del>X</del> HENRY 1133 Bway	WA 9-1700	I. <del>X</del> JACOBY	MU 5-9739
AL <del>X</del> HARTWELL 43-38 47th St. C.I.C. 4	IR 6-8891	HERB <del>X</del> JENNINGS	Col 5-2700
EDWIN <del>X</del> HEYWORTH	Mon 2-6875	Jefferson School	WA 9-1602
VICTOR <del>X</del> HLAKS Hampton Boys 219	MU 3-3792	KAY <del>X</del> ELEC 21 E. 22 St.	AL 4-9699
Mrs <del>X</del> HELLER	AL 2-7093	Sid Katz Home 327 Lex	WI 8-3628
ROY HUGHES	Han 2-1661	Jeff. Bookshop	Wat 9-5182
DICK HENRY	WA 9-1700	KALISH	CI 6-4500 Ext 2023
EDITH <del>X</del> HALPERIN	CI 6-5412	J.G. Furniture Co.	
		ARTHUR <del>X</del> KAPLAN	CI 6-1316

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

JARCHO ~~ERICKSON~~  
89-26 41 Av. LIC

Main 4-5585

KASEL

Alg 4-8798

WILLIAM ~~KARL~~

Lex 2-5029

KRELL

MO 8-2480  
BA 7-8443

Miss LEVINE ~~(LUTZKER)~~

PL 6-4240

Lem Decorating Co  
411 4th Ave.

MU 3-5087

PHINEAS ~~LEE~~

EV 8-0451

ROHANNA ~~LEE~~

AC 2-8999  
MU 5-2874

LIONEL ~~LEFFERT~~

South 8-7750

LAURENCE ~~ELKIND~~

WH 4-4700  
Ex 395

Local 65  
Wholesale & Warehouse

GR 7-1430

JOE ~~LEVY~~

Cir 7-4395

T ~~LISS~~

CH 2-8805

BEN ~~LEVINSON~~

Beek 3-0171

CONNIE ~~LAMB~~ Ext 29

CH 3-8770

LIPPIN

EL 5-8224

H--- MEADOW

BR 9-1751

MATT ~~SILVERMAN~~

WH 4-2824

MASON

TR 5-5645

MILLER #475

Mrs. ~~STANLEY~~

MU 2-7792

MITTLEMAN  
CA 6-1316

WO 2-3100  
Lex 2-2619

McCANDLESS

PL 5-1954

Amer-Ind Co.

ROSALIE ~~MANNING~~

RH 4-7203

MORESS  
252 S. Goodman St

JOE ~~MAGID~~  
till 1:00 PM

EV 8-4100  
Ext. 66

LESTER ~~MAHON~~  
Empire State #911

LO 5-6616

J. ~~MOSCOWITZ~~

MU 4-5651

J. ~~MC MANUS~~

MU 3-9465

NY 100-95068

ADMINISTRATIVE PAGE (CONT'D)

McLEOD

PA 4-6854  
Lex 2-6549

JULES ~~X~~ PROCTOR  
250 Park Ave.

Pla 3-5252

MOREY

RE 7-2285

RUCH ~~X~~ PEARSE

CI 6-2626

K. Masters V.T.L.  
Home

Gra 5-5132  
Ca 3-5695

RAC

MU 3-5580

~~Mrs.~~ MRS. DAVE & ANN ~~X~~ MARKOFF

ES 2-0476

HARRY ~~X~~ POLLACK  
Stillwell Station-Seagate

ES 2-4525

SEAGALE

ST 9-3222

ARNOLD ~~X~~ POSNER

ST 4-8913

OGDEN

WI 2-0900

PASSAMANICK  
Home

BR 9-6586  
Esp 6-4287

STEVE ~~X~~ ODOBINA  
32-28 82 St., Jackson  
Hts.

Lex 2-8696

PAPERT

BR 9-4510

NADEL  
489 5 Ave.  
(103 Lex. - Home)

MO 2-2641

JACOB P. ~~X~~ PELTZ  
1030 President St.  
Apt. 4B

Nev 8-2043  
HA 2-7779

Newspaper Guild

MU 3-9465

ROTH  
(Stanger)

AS 4-4576

NMU

CH 3-8770

Rito Schenka Co.  
67 W. 44th St.

MU 2-1778

NYCHA

AS 4-8360

DICK ~~X~~ STEIN

Lex 2-0330

O'Keefe Painting

GR 5-1783

STEINGHARDT

CH 4-8087

~~X~~ PROCTOR, JIM

MU 2-9147

JOEL ~~X~~ ROTHMAN

BA 7-0549

PRESNICK (Home)  
Cir 6-4545

Sterling  
8-3730  
Cir 6-6385

ROSSKAM

CH 2-5611



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ADMINISTRATIVE PAGE (CONT'D)

~~PAUL SCHERER~~

CH 2-2260

SUTNAR  
17 John St.

CO 7-0957

~~M. SCHILLER~~

EV 7-5770

Tunnord

CI 5-4400

~~G. SOMMERS~~  
303 E 44

MU 4-2105

VAN DYCKE  
224 W. 57 NY 19

Cir 5-4400  
Ext 185-  
153

~~Dr. STARR~~ ✓

Mansfield  
6-0221  
MA 6-3492

LP TONIS

MU 2-2622

~~Dr. SIGERSON~~

LE 2-7450

TASK M--2

PL 9-6330

~~LEON SPECKER~~

HA 3-4098  
Lex 2-4949

~~Mrs. TALBOT~~

Dew 2-4640

Simonsen & Emerson

MU 5-4939

~~HENRIETTA TRYON~~  
142 E. 27

PERCY SEITLIN --- Corp. Lex 2-5050  
Home  
GR 5-5792

VOGEL

VA 6-0055

~~HARRY SUSHAN~~

Nev 8-4644

BANKIN

MU 5-5929

~~L. SCHNEIDER~~

Wash. N.J.  
765

Frank E. Towle & Son  
Hardwood

Colb 7-0630

SUTNAR  
17 John St.

Co 7-0957

TONIS

Tri 5-4215

ALFRED STERN

Col 5-7031

United Shoe Workers  
487 B'way

WO 4-5770

JAN SHORT

Plaz 8-2163

Waterbury & Riley

Co 6-4889

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ADMINISTRATIVE PAGE (CONT'D)

SUTNAR 17 John St.	CO 7-0957		MU 3-7934
TUNNARD	CI 5-4400	MARGO YOUNG	FE 6-1,000
VAN DYCKE 224 W. 57 N.Y. 19	CI 6-4400 Ext 185-153	RALPH WOOD 132 W 43rd	WLS 7-8177
Lt. TONIS	MU 2-2622	York	ST 4-3242
TASK M--Z	PL 9-6330	Winzer & Tyne 201 E 34 Draper	CA 5-2421
Mrs. TALBOT	Dew 2-4640		EV 8-4990
<u>HENRIETTA TRYON</u> <u>142 E. 27</u>		Weitzman Kosher Prod 494 7th Ave	OR 4-9368 Long 5-7949
VOGEL	VA 6-0055	WASSERMAN	Cir 7-4398
VANKIN	MU 5-5929	Lt. WEIL	CI 6-0316
UNGER	Stogg 2-6586	ELROY WEBBER Emp #4810	LO 5-5978
Frank E. Towle & Son Hardwood	Colb 7-0630	Wholesale Book Co	AL 4-8951
TONIS	Tri 5-4215	WALLY WEST	PE 6-9600 X 774
United Shoe Workers 487 Bway	WO 4-5770	RUTH YOUNG	Ma--- 2-4828
Waterbury & Riley	Con 6-4889	Wash. Woodcraft Co.	Wash. N.J. 133
WADENBACK-BROWN	Chel 3-4500	Mrs. R. WEISS	MA 4-6821
Watson Elev	Med 3-3200	WISSER	JE 6-7182

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ADMINISTRATIVE PAGE (CONT'D)

Reflto Furn. 2nd fl.	Gra 7-3292	<del>AL</del> STONKUS, Local 1225	TR 5-2631
<del>ED</del> ROBIN 441 Lex	Van 6-0055	<del>SPRECKNIM</del>	Nutley 2-4107
<del>BILL</del> RUBIN Home	Wal 5-6111 WA 9-7966	<del>HANK</del> SCHUBERT 310 W. 11th	Long 5-1582
<del>ANNA</del> ROWLAND	CI 6 5442	<del>SILVRAY</del>	Cir 6-0550
<del>HYMAN</del> RUCKLIS 66 Cortlandt Pl., Bklyn.	DE 2-4266	<del>SCHRECKINGER</del>	Chel 3-0770
ROSENBAUM	Col 5-7747	<del>SCHWARTZ EL--</del>	Lex 2-3465
DE ROCHE	EL 5-5081	Seabury Elev.	SO 8-1600
<del>H.</del> REED	57 Brattle St. AT 9-7936	<del>Mrs.</del> SALTZ	SL 6-8905
c/o Mrs. Gig Bayley, Cambridge 38		Seaberg	SO 8-1600
Rock Tel. Co.	EX 6-5100 Ext 3066	Summitt Constr.	GR 3-6608
BETTY ROSSMAN <del>EVERETT</del> 182 Christie Hts. St. Leonia, NY		Spewack 595 Madison	Plaz 3-8985
RUCKLIS	DE 2-4266	<del>Mrs.</del> SHANNON	LA 4-5364
<del>ALFRED</del> STERN	6015-7031	<del>ROY</del> STRYKER	Col 5-2700
<del>JAN</del> SHORT	Plaz 8-2163	<del>STEIN</del>	Lex 2-0330
		<del>Dr.</del> SUSSMAN	Lex 2-4212
		<del>STANGER</del> MACK	SL 6-8110

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ADMINISTRATIVE PAGE (CONT'D)

Confidential Informant T-1 also furnished the information that BROTHMAN possessed the following telephone numbers and addresses which were not contained in the address books listed above:

~~R. GORDON~~  
Pauling 2161

~~B. MISHKIN~~  
50 E. 75 St. (21)  
RH 4-7735

RI 9-9173

430 West 118th Street,  
Apartment 32

(Present address of ~~BERNARD KOOPMAN~~,  
Columbia University Professor and  
known former associate of BROTHMAN).

~~G. PIEL~~, 138-A West 12th Street,  
New York City.

(This individual is identical with  
GERARD PIEL, presently editor of the  
magazine "SCIENTIFIC AMERICAN").

~~LEVINE~~  
~~HARRY and LOUIS LEVINE~~  
Commonwealth Novelty Company,  
Leominster, Mass.

~~LEO MITTELMAN~~,  
122 East 30th Street, N.Y.

Mrs. T. M. ~~RAYSOR~~,  
2930 South 24th Street,  
Lincoln, Nebraska

2 o'clock

Home After 1:45 -  
Unionville - 2-8792 - J

ACE CAMERA EXCHANGE  
136 58th and Lex.  
PL 9-0947

ABE COHENS EXCHANGE  
142 Fulton St.  
CO 7-3922

NEW YORK CAMERA EXCHANGE  
116 Fulton St.  
NY 7-BE 3-2386

PHOTO LENS COMPANY  
140 West 32 - PE 62733

OIDEN  
ME 44280

PEERLESS  
MU 7-1000

WILLOUGHBEYS  
110 W. 32  
LO 4-1600

MR. JULES  
6 o'clock

FERVAL - 2 Broad Street  
Bloomfield  
Bloomfield 2-8600

"MM (MIRIAM MOSKOWITZ)  
Call at 1:15 p.m.  
IR 6-0800  
Mr. FALCO  
About type a manuscript

6 p.m. 3 copies

20  
5  
100 pages"  
ST 4 7840

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ADMINISTRATIVE PAGE (CONT'D)

Confidential Informant T-1 also stated that BROTHMAN is in possession of a small notebook which contains many chemical formulas and also on three pages is the following quoted words in the following positions:

Marc Mich 1613  
Alect  
Xima Alet  
Sofia Peter, Fedrn

Ran Catherine  
Alexkis Peter

Anna  
Joan 1/4 Elizabeth

Catherine Peter III  
the Great Paul

Alexander I  
(Constantine) GI D Poland

Nicholas I  
Nov. 29  
December 1, 1925 Alexander II  
1881  
Alexander III  
1898  
Nicholas II

Tzar Emperor  
Tzar G  
L  
W  
R

Peasant - L -  
(Townsmen) - Meschnay  
Citizen - Merchant

I  
II  
III Guild  
NOBILITY

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Confidential Informant T-1 advised further that on May 7, 1950, the files in the offices of A. BROTHMAN ASSOCIATES, 2928 41st Avenue, Long Island City, contained a folder marked, "Thermal Diffusion". This folder contained a typewritten paper which is quoted as follows:

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ADMINISTRATIVE PAGE (CONT'D)

I. Background

- A. Definition -- Given a mixture of two gases contained between a hot and a cold wall, there will be set up a considerable difference in the relative concentrations of the two gases at the top and the bottom of the apparatus; this effect is known as thermal diffusion (or thermal siphoning). If steady states of temperatures and pressure are continued, then either the separation of the two gases will be complete or an equilibrium will be reached -- which equilibrium is determined by a separation factor. If, however, the gas mixture is in motion and small amounts of the products at either or both ends of the equipment are regularly taken off, then by continued repetitions of such a process, a complete separation of almost any two gases may be obtained. But it should be noted that the rate of circulation of the gas mixture must be such that it is well below the critical value for the Reynold's Number, i.e., so that no turbulence will result -- otherwise, a considerable amount of re-mixing may occur.

While some difference in the molecular weight of the two gases is helpful in their separation, still gas pairs of the same molecular (i.e.,  $N_2$  and  $C_2H_4$ ) and even better yet gas pairs containing isotopic elements (i.e.,  $C^{13}H_4$  or  $HCl^{37}$  and  $HCl^{35}$ ) can be split.

Thermal diffusion in the case of liquids is known as the Soret effect and experimental work on it has been, thus far, confined to a fluid at rest. Not only may solutions of one liquid in the other be separated (i.e., glycerine in water) but also solutions of solids in liquids (sucrose in water) and ternary mixtures ( $H_2O - HCl - BaCl_2$ ).

- B. Historical. -- The phenomenon of thermal diffusion was first discovered theoretically by Enskog<sup>1</sup> of Sweden in 1911 and independently by Chapman<sup>2</sup> of England in 1917. Curiously enough it was missed completely by Boltzmann, Van der Waals, Thompson, Maxwell, and the other workers on the kinetic theory of gases. Later in the same year (1917) Chapman and Dootson<sup>3</sup> gave the first experimental proof of thermal diffusion. It was Chapman<sup>4</sup> who first suggested (1919) the use of thermal diffusion in the separation of isotopes but this idea was ridiculed by Mulliken<sup>5</sup> who concluded that it could not compete with the other methods such as centrifugal separation or gaseous diffusion.

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ADMINISTRATIVE PAGE (CONT'D)

As a result, except for such theoretical and experimental work as was done by Chapman up until 1932, the utilization of thermal diffusion was completely neglected by physicists till 1938 when it was revived by Clusius and Dickel<sup>6</sup> in Germany, and then in America by Brewer and Bramley and a number of other investigators.

The so-called Soret effect for Liquids was really first observed by Ludwig<sup>8</sup> in Germany in 1856; it was reported in France by Soret<sup>9</sup> twenty-five years later.

II. Theory

Furry, Jones, and Onsager<sup>10</sup> (Photocopy 1) believe that "No simple theory can give an account of thermal diffusion; neither its existence nor its sign can be derived from elementary considerations. Its presence can be only understood by a detailed consideration of the equations of transport in a gas." However, Frankel<sup>11</sup> (Photocopy 2) and Gillespie<sup>12</sup> (Photocopy 3) have proposed reasonably simple explanations; these considerations can be used to give a correct estimate of the value of the thermal diffusion constant.

Bramley<sup>13</sup> gives as a general description of the three actions that give rise to thermal diffusion:

- a. Difference in mass (thermal or initial diffusion). As can be seen in the separation of isotopes, these mass differences need not be very great but it is certain that the splitting up of two gases of widely different molecular weights is a very much more rapid process.
- b. Mass action of gas similar to convection current. This is the origin of the term "Thermal siphoning". The general effect is for the lighter molecules to go to the hot side and rise and for the heavier molecules to go to the cold side and fall, i.e., the coefficient of thermal diffusion is positive in sign; but for certain mixtures and under certain circumstances this process may be reversed and the sign made negative.
- c. A slight additional concentration exists in the Langmuir film surrounding the hot side -- there is a definite motion of the gas in this film which arises from the swirling motion of the gas outside this film. Thus, an interchange of molecules occurs between the swirls themselves and between them and the Langmuir film due to the differences in mass.



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To these may be added:

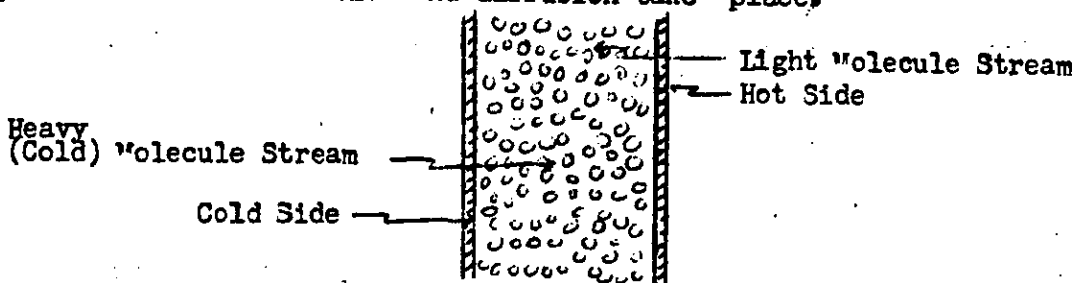
- d. The radii of the two molecules.

Not all mixtures can be separated as the coefficient of thermal diffusion vanishes when the mode of interaction, the radii and the masses of the two sets of molecules are all equal. Such may be the case<sup>14</sup> for the pair CO and N<sub>2</sub>.

All theoretical efforts to explain the Soret effect in liquids have been completely unsuccessful<sup>15,16,17</sup>.

III. Description of Apparatus

Essentially all that is needed are two concentric cylinders, the inner one heated and the outer one cooled, mounted in a vertical position, with reservoirs at the top and bottom communicating with the annular space between the cylinders where convection and diffusion take place.



As is shown, in most cases the lighter molecules will concentrate toward the top of the apparatus.

Clusius and Dickel<sup>6</sup> ran a heated wire up the axis of a long vertical hollow tube into which was put the gas mixture to be separated; using such an apparatus and a 50% Helium - 50% Bromine mixture, the two gases can be separated in a matter of minutes in a tube only 3 feet long. Korsching, Wirty and Masch<sup>18</sup> describe also a flat metal form of thermal diffusion equipment in addition to the two already given. Taylor and Gockler<sup>19</sup> (Photocopy 4) and Nier and Bardeen<sup>20</sup> (Photocopy 5) detail the construction of thermal diffusion columns used in this country for isotopic separation. The use of a rotating annular space apparatus to increase the field of gravity by a factor up to 10 has been tried by Farber and Libby<sup>21</sup> (Photocopy 6) and with interesting results.

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Devices for thermal diffusion in liquids are described by Gillespie and Breck<sup>22</sup> (Photocopy 7) and by Carr<sup>23,24</sup> (Photocopies 8 and 9) Gillespie and Breck use glass apparatus and an annular space of circular shape while Carr utilizes the flat shallow groove from after Korsching and Wirty<sup>25</sup>; in this last respect it should be noted that the apparatus works best when sloped at a definite angle.

Getting back to thermal diffusion in gases, one very significant feature of the apparatus is that an annular spacing of 0.7 cm. seems to work better than any other distance. Also, once the preliminary work on the separation factor, for any mixture of two gasses has been done, the equations of Furry, Jones and Onsager<sup>10</sup> (Photocopy 1) can be used to aid in the design of apparatus.

While in most of the reported work the inner tube is usually heated by Nichrome wire still any other means, such as steam or Dowtherm can probably be used much more effectively on an industrial scale.

IV. Uses of Thermal Diffusion

It is proposed to utilize thermal diffusion to increase the concentration of O<sub>2</sub> in air from the normal 21% up to 60% or 80%. This enriched oxygen can then be used for any oxidation process such as the manufacture of sulfuric acid from sulfur and the preparation of nitric acid from ammonia. The saving in size of equipment, power, and overall efficiency would be incalculable.

Other proposed fields of investigation would be:

- a. Recovery of CO<sub>2</sub> from stack gases: if the ordinary 14% by volume CO<sub>2</sub> concentration could be raised to say 40% or 60%, then this process can be made feasible, i.e., chemical means of absorbing the CO<sub>2</sub> could then be employed.
- b. Separation of azeotropic liquid mixtures particularly such as ethanol-water and the bothersome methanol- other solvents azeotrope.
- c. Separation of liquid mixtures with close boiling points such as the xylols.
- d. Concentration of the end products of the butanol- acetone-ethanol fermentation. These occur in a total of only 2 to 3 grams of solvent per 100 cc. of beer and the cost of distillation is necessarily high.

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- e. Separation of fog from gases.
- f. Separation of traces of impurities from liquids, such as thiophene in benzene.
- g. Separation of isosteric and isomeric mixtures.

This list is only a hint as to what can actually be done by the application of thermal diffusion.

V. Conclusions

While nothing as yet has appeared in the literature regarding the application of thermal diffusion to an industrial process, still, in order to be on the safe side it must be assumed that such work is being investigated. It is certain, however, that the first person to submit pilot plant proofs of definite industrial uses will be in a key position in a new and potentially vast field. Given a particular design of apparatus for application to a particular separation such an apparatus and process could easily be patented; and, given a sufficient head start, a whole patent structure could be built up.

Note: Appended are the nine photocopies referred to in the body of the report.

References

1. D. Enskog, Physik. Zeits. 12:56,533 (1911)
2. S. Chapman, Phil. Trans. A217:184 (1917)
3. S. Chapman and F. W. Dootson, Phil. Mag. 33:248 (1917)
4. S. Chapman, Phil. Mag. 38:182 (1919)
5. R. S. Mulliken, J. Am. Chem. Soc. 44:1033 (1922)
6. K. Clusius and G. Dickel, Naturwiss 26:546 (1938)
7. A. K. Brewer and A. Bramley, Phys. Rev. 55:590A (1939)
8. Ludwig, Wien. Akad. Ber. 20:539 (1856)
9. Soret, Ann. Chim. Phys. 22:293 (1881)

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10. Furry, Jones, and Onsager, Phys. Rev. 55:1083 (1939)
11. Frankel, Phys. Rev. 57:661 (1940)
12. L. J. Gillespie, Phys. Rev. 61:388 (1942)
13. A. Bramley, Phys. Rev. 57:539A (1940)
14. F. T. Wall and C. E. Holley, J. Chem. Phys. 8:348 (1940)
15. Wereide, Ann. de Physique 2:67 (1941)
16. Porter, Trans. Faraday Soc. 23:314 (1927)
17. S. Chapman, Phil. Mag. 1; 1 (1929)
18. H. Korsching, K. Wirtz, and L. W. Masch, Ber. 73B:249 (1940)
19. T. Taylor and G. Gockler, J. Chem. Phys. 8:843 (1940)
20. A. Nier and J. Bardeen, J. Chem. Phys. 9:690 (1941)
21. Farber and Libby, J. Chem. Phys. 8:965 (1940)
22. L. Gillespie and S. Breck, J. Chem. Phys. 9:370 (1941)
23. H. Carr, Phys. Rev. 61:726 (1942)
24. H. Carr, J. Chem. Phys. 12:349 (1942)
25. H. Korsching and K. Wirtz, Naturwiss. 27:367 (1939)

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Proposed Trip By BROTHMAN and MOSKOWITZ to Switzerland

Confidential Informant T-3, of known reliability, advised on May 3, 1950, that on May 2, 1950, MIRIAM MOSKOWITZ had stated that "we", apparently meaning she and BROTHMAN, would be going to Switzerland during the Summer of 1950, as they had in the Summer of 1949. MOSKOWITZ gave no indication of how or when this trip would be made.

Confidential Informant T-4, of known reliability, had previously advised that BROTHMAN had had some correspondence during April, 1950 with the Swiss Consulate, New York City.

Confidential Informant T-1 advised that on April 28, 1950, BROTHMAN was in possession of a letter addressed to the Passport Division, Department of State, Washington, D. C., enclosing passports #203104 and 203336, dated respectively May 5, 1948 and May 6, 1948, the passports of BROTHMAN and MOSKOWITZ. BROTHMAN enclosed a passport renewal application for each and a check for \$10.00 to cover the fees.

In this letter, BROTHMAN stated that he is the Chief Engineer of A. BROTHMAN and Associates, which organization has a contract with LONZA, Ltd., Basel, Switzerland, to provide the chemical processes and the engineer designs for three plastic plants LONZA is to erect. The chemical processes and the design work, BROTHMAN indicated, had been completed by his organization.

BROTHMAN stated further that LONZA, as of April 28, 1950, was about to place a letter of credit in the United States, with which to purchase some \$25,000 to \$30,000 worth of equipment, which, when shipped to LONZA, would be incorporated in the erection of their first plant.

At that time BROTHMAN indicated that he might have to leave the United States on or before June 1, 1950, since he had to be in Switzerland when the equipment arrived.

Also in this communication, BROTHMAN stated that he expected to visit Doctor EDWARD KREBS, President of the Krebs et Cie firm, Paris, France, to solicit business with that organization for the robotization of Krebs cell plants. BROTHMAN enclosed a reprint of a technical article on "Robotization of Process Plants", which was written by him and published in the magazine, "Chemical Engineer" in November and December, 1949.

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Also BROTHMAN stated that he would be visiting his London sales agent, Doctor J. POM, 1-9 Hills Place, Oxford Street, London W. 1. in order to discuss general business possibilities in England regarding the sale of BROTHMAN'S chemical processes for the manufacture of various plastics. BROTHMAN also stated that POM had been active in establishing sales connections for A. BROTHMAN and Associates, notably with Imperial Chemical Industries, Ltd. of London, and that it was extremely desirable that he, BROTHMAN, be present to conclude negotiations.

(In the course of an interview with BROTHMAN, by Special Agent JOHN M. COLLINS and the writer, on May 22, 1950, he mentioned that POM was scheduled to arrive that day from London, England, to discuss with him a possible contract between A. BROTHMAN and Associates and Imperial Chemical Industries, Ltd., London, England.

On June 16, 1950, the occasion of a reinterview with BROTHMAN by Special Agent ROBERT M. KANE and the writer, BROTHMAN advised that POM was leaving New York to return to London, England on that date, and that he, BROTHMAN, had discussed in considerable detail with POM, all of the possibilities in connection with the proposed contract with Imperial Chemical Industries, Ltd., and that the possibility of obtaining a contract was now in the hands of POM.)

Confidential Informant T-1 also indicated that MIRIAM MOSKOWITZ would accompany BROTHMAN to Switzerland since her presence was necessary to write up "technical field reports" during the time the LONZA plant was being erected.

Confidential Informant T-1 was uncertain whether BROTHMAN actually had mailed the communication to the State Department.

With the consent and approval of ABRAHAM BROTHMAN, Special Agent (A) HAROLD P. GOOD conducted an examination of the books of A. BROTHMAN and Associates on May 23, 1950, which examination was restricted to a review of loans, income, investments, names of employees and commission received from the Republic of China.

The following is a summary of the profit and loss from the operations of the business of A. BROTHMAN AND ASSOCIATES from August 14, 1944, to May 31, 1949. It should be noted that this concern was on a calendar year basis from 1944 through 1947 and on June 1, 1948, adopted a fiscal year basis running from June 1st of each year to May 31st of the next year.

1944	Gross Income	\$ 5,905.00	Net Income	\$ 4,059.66
1945	" "	17,342.00	Net Loss	6,403.87
1946	" "	58,301.29	Net Income	12,885.41
1947	" "	50,000.00	Net Income	1,550.97

6 months to

June 1, 1948	" "	4,280.76	Net Loss	10,333.85
To 5-31-49	" "	15,955.79	Net Income	3,199.08

The following is a list of loans obtained by this concern:

From Bernard Pidto of Processed Chemicals Co., 33 North First St., Brooklyn

5-31-45	\$16,000.00
8-29-45	3,000.00
9-28-45	500.00
10-2-45	1,000.00
10-15-45	500.00
10-22-45	500.00
10-26-45	500.00
11-5-45	1,000.00
11-15-45	800.00
11-30-45	500.00
12-8-45	500.00
1-3-46	1,000.00
10-18-46	1,000.00

Miss MIRIAM MOSKOWITZ, Secretary to Mr. BROTHMAN explained that the above loans from Pidto were obtained in anticipation of money to be received from the Republic of China and Brothman had agreed to give Pidto a share in the profits from the China deal.

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From G. N. Wollan

10-15-45 \$500.00

From Oscar J. Vago

11-16-45 \$267.87  
1-12-46 100.00

From Miriam Moskowitz

12-15-45 \$500.00

From C. S. Wan

2-27-46 \$2,000.00

From A. Brothman

12-13-46 \$1,500.00  
12-24-46 1,000.00  
12-31-46 1,500.00  
1-15-47 1,500.00  
2-14-47 453.00  
4-8-47 100.00  
4-9-47 400.00  
4-25-47 200.00  
5-21-47 1,000.00  
1-15-48 450.00

From N. Brothman

2-21-47 \$3,000.00  
3-13-47 1,700.00

From Edward Norman

5-20-47 \$5,000.00

From S. J. Moskowitz

12-8-47 \$190.00  
1-6-48 65.00  
1-8-48 20.00



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From S. J. Moskowitz (Continued)

6-3-48 \$300.00  
8-20-48 100.00  
12-24-48 60.00

From Sylvan Moskowitz

3-8-48 515.00  
6-23-48 2,500.00

From Jerome Kline of Stanton Laboratories

3-23-48 \$1,000.00  
4-7-48 1,000.00  
4-23-48 1,000.00  
4-26-48 2,000.00

From Kogan Brothers

5-24-48 \$ 500.00

From R. V. Ramani

3-1-49 \$ 150.00

From L. B. Scheinman, Ulster Chemicals

3-18-49 \$ 100.00  
3-24-49 100.00  
3-28-49 100.00  
3-29-49 300.00  
4-6-49 400.00  
4-18-49 100.00  
4-22-49 100.00

As Brothman was consulting engineer for Ulster Chemicals these loans were set up after Ulster refused to consider them as advances on the fees that would be paid to Brothman. This information was furnished by Miss MOSKOWITZ.

From I. Schapiro

5-5-49 \$2,000.00

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The above information was set out in full to make a record of the names of all those loaning money to BROTHMAN. However, in the interim many loans have been paid off and in some instances the loans were transferred to investments. According to a listing in the files exhibited by Miss MOSKOWITZ, the following is a list of loans payable as of May 31, 1949:

<u>Jerome Kline</u>	\$5,000.00
<u>G. N. Wollan</u>	1,000.00 *
<u>O. J. Vago</u>	100.00 *
<u>Naomi Brothman</u>	10,475.00
<u>A. Brothman</u>	2,703.00
<u>S. J. Moskowitz</u>	1,350.00
<u>Sylvan Moskowitz</u>	1,500.00
<u>R. V. Ramani</u>	550.00 **
<u>I. Schapiro</u>	2,000.00
	<u>\$24,678.00</u>

\* To be written off by agreement with former partners on their leaving the partnership.

\*\* Paid off after date schedule was prepared.

The loan of Jerome Kline is offset by money that is due the firm and according to Miss MOSKOWITZ, is expected to be settled.

The records show that A. BROTHMAN, EMIL Z. BARISH, G. N. WOLLAN, OSCAR J. VAGO and JULES KORCHIEN established this business under the name of A. BROTHMAN and ASSOCIATES on August 14, 1944.

A review of the cash book showed the following investments in this business:

By A. Brothman

8-14-44	\$938.00
10-31-44	500.00
3-6-45	500.00
1-26-46	500.00
2-1-46	500.00
3-8-46	500.00
3-13-46	1,000.00
3-19-46	1,000.00

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3-29-46	\$830.00
4-2-46	2,000.00
4-18-46	450.00
4-26-46	1,480.00
4-30-46	680.00
5-4-46	600.00
5-10-46	850.00
5-17-46	800.00
5-24-46	753.50
5-31-46	136.00
6-3-46	1,000.00
6-7-46	500.00
6-14-46	690.00

By G. N. Wollan

9-5-44	270.00
3-8-46	250.00

By J. Korchien

9-22-44	800.00
---------	--------

By E. Z. Barish

9-5-44	250.00
--------	--------

By O. J. Vago

9-7-44	250.00
3-9-46	200.00

By Miriam Moskowitz

3-31-47	372.75
6-6-47	200.00
6-10-47	75.00
11-5-47	25.00

Miss MOSKOWITZ explained that during 1946 BROTHMAN made a private arrangement to represent Mr. SLAVIN and Mr. SHALIT, as engineer in procuring equipment and machinery for Haganah, Palestine. SHALET and SLAVIN used the name MACHINERY PROCESSING AND EQUIPMENT COMPANY for their operations and used

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BROTHMAN'S address as their office as well as the office of others. BROTHMAN was requested to conduct this work privately and received commissions approximating \$12,000 to \$15,000 for his work. His investments during 1946 included these commissions.

The records of this firm were not complete and it could not be immediately determined the equity of the partners in the business at the present time. It appears that BROTHMAN is the only partner remaining in the business but it appears that a discussion with BROTHMAN and reference to his files would be necessary to definitely determine the dates the various partners severed their connections and the consideration they received.

The following is a list of the employees of A. BROTHMAN and ASSOCIATES as reflected in the employee records:

Miriam Moskowitz, Secretary, 151 Eighth Avenue, New York City -  
1944 - still employed  
Philip Levine, Chemist, 4853 44th Street, Woodside -  
1948  
Harry Gold, Chemist, 6823 Kindred Street, Philadelphia, Pa. -  
1946-48 Tel. Pilgrim 8492  
Robert Gerson, Chemical Eng., 64-34 99th Street, Forest Hills -  
1946-48 - Tel. IL-9-6257  
Sol Fanshel, Elect. Eng. 86-20 162nd Street, Jamaica -  
1946-47 - Tel. Re-9-7074  
Hersh Rabinovitch, Mech. Eng. 129 West 89th Street -  
1946-47 - Tel. Tr-4-5585  
Sholem Silberstein, Chemist, 646 Argyle Rd., Brooklyn -  
1945-47 - Tel. Ma-6-1713  
Rolf Sidney Wollan, Lab. Asst., 50-23 64th Street, Woodside -  
1947  
Joel Stanley Chalek, Tracer, 63-45 Wetherole Street, Rego Park,  
Long Island - 1947  
Ernest E. Mair, Mech. Eng. & Draftsman, 772 E. 222nd Street,  
Bronx - 1947  
Seymour Mandelkorn, Chem. Eng., 67 Jane Street - NYC -  
1945-46  
William Rohall, Chemist, 2533 Aqueduct Avenue -  
1945-46  
Ruth Lewin, Dftsman, 3100 Brighton Street, Brooklyn -  
1946  
Robert Keith Townsend, Dftsman, 72 Bayview Ave. Pt. Washington -  
1945-46  
\* Robert Lippin, Dftsman, 40 Monroe St., NYC - 1946

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- \* Miss MOSKOWITZ advised that LIPPIN was employed by KORCHIEN, was carried on the BROTHMAN ASSOCIATION payroll and BROTHMAN ASSOCIATION were reimbursed by KORCHIEN. This was done so that LIPPIN could obtain Social Security benefits.

The following is a record of the payments received as commissions on aero affairs of the Republic of China:

6-24-46	\$30,000.00
7-8-46	5,000.00
8-16-46	5,000.00
9-12-46	5,000.00
10-23-46	5,000.00
11-6-46	5,000.00
4-10-47	5,000.00
6-4-47	5,000.00
8-1-47	5,000.00
	<hr/>
	\$70,000.00

Miss MOSKOWITZ advised that there is an amount of \$11,000.00 which is still unpaid and it is hoped that a settlement may be received.

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ADMINISTRATIVE PAGE, CONTD

Confidential Informant T-5, of known reliability, advised that twelve individuals have been employed by ABRAHAM BROTHMAN AND ASSOCIATES since 1945. The informant advised that the name of the concern was reflected as follows:

A. BROTHMAN, OSCAR J. VAGO, G. N. WOLLAN, etal dba A. BROTHMAN AND ASSOCIATES, 114 East 32nd Street, New York City.

As of 1949, the title of the concern was reported as follows:

ABRAHAM BROTHMAN and MIRIAM MOSKOWITZ dba A. BROTHMAN AND ASSOCIATES, 2928 41st Avenue, Long Island City, New York.

The informant furnished the following information concerning individuals who have been employed by A. BROTHMAN AND ASSOCIATES:

Name  
Residence

WILLIAM ROHALL

Born

Sex  
Race  
Social Security  
Father  
Mother  
Employment

b7C  
per  
SOCIAL  
SECURITY  
(SS)

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ADMINISTRATIVE PAGE, CONTD

Name  
Residence

Born  
Sex  
Race  
Social Security  
Father  
Mother  
Employment

SOL FANSHI

b7c  
per  
SS.

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ADMINISTRATIVE PAGE, CONTD

Name  
Residence  
  
Born  
Sex  
Race  
Social Security

HERSH RABINOVITCH

b7c  
per  
S.S.



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ADMINISTRATIVE PAGE, CONTD

Father  
Mother  
Employment

Name  
Residence  
Employment

Born  
Race  
Sex  
Social Security  
Father  
Mother  
Employment

ROBERT GERSON

b7c  
per  
S.S.

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ADMINISTRATIVE PAGE, CONTD

[REDACTED]

Name  
Residence

ROBERT LIPPIN

Born  
Sex  
Race  
Father  
Mother  
Social Security #  
Employment

[REDACTED]

[REDACTED]

b7c  
per  
SS.

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[REDACTED]

Name

ROBERT KELTH TOWNSEND

Born

Sex

Race

Father

Mother

Social Security #

Employment

[REDACTED]

b7c  
per  
S.S.

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ADMINISTRATIVE PAGE, CONTD

[REDACTED]

Name  
Residence

Born  
Sex  
Race

SIDNEY MANDELKORN

b7c  
per  
S.S.

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ADMINISTRATIVE PAGE, CONTD

Father  
Mother  
Social Security #  
Employment

[REDACTED]

Security # [REDACTED]  
ent [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

b7c  
pen  
S.S.

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ADMINISTRATIVE PAGE, CONTD

**Name**  
**Residence**

HARRY GOLD

Born  
Sex  
Race  
Father  
Mother  
Social Security #  
Employment

b7c  
per  
S. S.

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ADMINISTRATIVE PAGE, CONT'D

Name  
Residence

Born

Sex  
Race  
Father  
Mother  
Social Security #  
Employment

SHOLEM SILBERSTEIN

Name  
Residence

Born  
Race  
Sex  
Father  
Mother  
Social Security #  
Employment

MILTON ROSEM

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ADMINISTRATIVE PAGE, CONTD

[REDACTED]

Name  
Residence

RUTH LEAH LEWIN, aka Ruth L. Seliger

[REDACTED]

Born  
Sex  
Race  
Father  
Mother  
Social Security

b7c  
p2c  
S.S.



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ADMINISTRATIVE PAGE, CONTD

Employment

[REDACTED]

b7c per  
S.S.

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ADMINISTRATIVE PAGE, CONTD

Name  
Residence

MIRIAM RACHAEL MOSKOWITZ

Born  
Sex  
Race  
Father  
Mother  
Social Security #  
Employment

NEW YORK INFORMANTS

Photographs of ABRAHAM BROTHMAN and MIRIAM MOSKOWITZ were displayed to Confidential Informants T-7, T-8, T-9, T-10, T-11, T-12, T-13, T-14, T-15, T-16, T-17, T-18, T-19 and T-20, all of whom advised that they were not acquainted with either. However, Confidential Informants T-21, T-22 and T-23 advised that MIRIAM MOSKOWITZ looked "familiar" to them. It is contemplated that additional photographs of the latter will be displayed to them. All of the above listed informants are of known reliability.

ADMINISTRATIVE PAGE, CONTD

ARTHUR P. WEBER, 56 Beach Drive, Merrick, Long Island, who is now employed as the Technical Director in the New York Office of the INTERNATIONAL ENGINEERING, INC., Dayton, Ohio, was interviewed in the New York Office on February 27, 1950 by SA JOHN M. COLLINS and the writer. The INTERNATIONAL ENGINEERING, INC.'S New York Office is located at 15 Park Row, New York City.

WEBER, it is to be noted, was employed as a chemical engineer in the offices of the HENDRICK MANUFACTURING COMPANY, 30 Church Street and at CHEMURGY DESIGN CORPORATION, 420 Lexington Avenue, both New York City, between the years February, 1941 and June, 1944, at the same time BROTHMAN was employed there. BROTHMAN and WEBER had personal difficulties during this period over the rights to the so-called "BROTHMAN Process", a method by which aerosol bombs are filled.

WEBER stated that at the HENDRICK MANUFACTURING COMPANY, the following individuals were employed between the dates February, 1941 and June, 1942, the years that he and BROTHMAN were there:

B. G. ~~DANN~~, Office Manager

Miss DAVIS, Secretary

BROTHMAN

WEBER

CHARLES ~~STICKNEY~~, Salesman

ARTHUR E. ~~BLAKE~~, Salesman

BOB TOWNSEND, Draftsman (later employed at CHEMURGY with BROTHMAN and also at A. BROTHMAN AND ASSOCIATES)

CHARLES ~~DEVINE~~

The following individuals, according to WEBER'S present recollection, were employed at CHEMURGY with WEBER and BROTHMAN from about July, 1942 to about June, 1944:

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HENRY A. GOLWYNNE, President

BOB TOWNSEND, Draftsman

BROTHMAN

WEBER

EMIL Z. BARISH

JULES KORCHIEN

OSCAR J. VAGO

(The last three individuals later became original partners in A. BROTHMAN AND ASSOCIATES in about August, 1944.)

Regarding the CHEMURGY employment, WEBER stated that during all of the time he was at CHEMURGY, work was being done on the construction of the RUFERT plant, a division of the SEMOUR MANUFACTURING COMPANY, Seaside, Connecticut. In addition, WEBER and BROTHMAN were joint holders of a consultant engineers' contract with the GRAVER TANK COMPANY, Chicago, Illinois. Regarding this, WEBER stated that when he, WEBER was getting ready to leave CHEMURGY in the spring of 1944, the GRAVER contract was up for renewing and WEBER suspected that BROTHMAN had personally renewed it without telling him, WEBER.

Also, from about August, 1943 until to the time WEBER left CHEMURGY in June, 1944, BROTHMAN was doing work with the TEDLEE CHEMICAL COMPANY and the REGAL CHEMICAL COMPANY, both operated by one THEODORE HEILIG, who along with WEBER and others was involved in a Fraud Against the Government case, arising out of the submission by WEBER at the insistence of HEILIG of fictitious invoices to the BRIDGEPORT BRASS COMPANY, Bridgeport, Connecticut in the approximate amount of \$88,000.00. HEILIG, upon a plea of guilty was convicted and was sentenced to one year and one day for this offense.

In describing BROTHMAN, WEBER advised that BROTHMAN was a "supreme egotist", who enjoyed nothing more than to invite a group of men out to lunch and to talk endlessly of his, BROTHMAN'S, accomplishments in the chemical field. WEBER stated that BROTHMAN had many "cronies", who had come to the HENDRICK and CHEMURGY offices to see BROTHMAN and that he knew several of them by name and others by sight, but at the present time

ADMINISTRATIVE PAGE, CONTD

he could only recall the names of two individuals with whom BROTHMAN was associated during that period, who were not employed at either CHEMURGY or HENDRIK. One of these individuals was PERCY NADEL, who WEBER stated had some association with a chemical brokerage firm, the name of which he did not know. NADEL was about his early or middle 40s and he lived on Lexington Avenue, New York City. BROTHMAN'S other associate was BERNARD O. KOOPMAN, a professor at Columbia University, whom BROTHMAN consulted regarding a mathematical formula, during this period.

WEBER stated that he had made trips with BROTHMAN to such places as Chicago, Illinois (GRAVER TANK COMPANY; Lancaster, Pennsylvania (ARMSTRONG CORK COMPANY); Semour, Connecticut (RUFERT); Jersey City (COLGATE-PEET); Bayonne, New Jersey (STANDARD OIL DEVELOPMENT COMPANY); Akron, Ohio (various rubber companies); and Washington, D. C. (Rubber Research Board).

WEBER also stated that BROTHMAN did not get along with COLWYNNE, President of CHEMURGY, who was a good administrator but who knew very little about the chemical engineering field. WEBER was asked whether he thought BROTHMAN was a Communist or if he had been. WEBER said he did not know whether BROTHMAN ever had been a Communist, but WEBER regards BROTHMAN as a person with "definite leftist leanings" and in substantiation of this, WEBER stated that he had visited with BROTHMAN in his home on several occasions and that on some of these occasions BARISH was there. Usually, according to WEBER, during these social contacts with BROTHMAN, conversation eventually turned to political and international affairs and BROTHMAN, his wife, NAOMI, BARISH and whoever else was there usually took the "leftist viewpoint". WEBER also stated that on one occasion he was invited by BROTHMAN to attend a meeting at Webster Hall, New York City, during which meeting the STALIN-HITLER Pact of 1941 was discussed.

WEBER also mentioned that he had met on one occasion a male cousin of BROTHMAN, whose name he could not recall, whom he thought possibly came from Brooklyn. This meeting, according to WEBER, occurred in BROTHMAN'S apartment in Sunnyside.

WEBER agreed to furnish the Cincinnati Office with any additional individuals whom he remembered as being among BROTHMAN'S acquaintances. On March 3, 1950, WEBER advised SA W. H. ALLEY of the Dayton, Ohio Resident Agency of the Bureau, that he now recalled the following individuals who were among BROTHMAN'S acquaintances:

ADMINISTRATIVE PAGE, CONTD

SERGE JARVIS

In 1942 or 1943, JARVIS, an attorney in New York City, was representing a group of persons who were at that time interested in buying a brewery in New Jersey, with a view to using the premises to manufacture lactic acid through the fermenting of corn. JARVIS, an acquaintance of BROTHMAN, contacted BROTHMAN and WEBER and requested them to look the brewery over and they did so and recommended against the suitability of the premises for the desired use. WEBER stated that this was his first meeting with JARVIS, but apparently BROTHMAN had been acquainted with him for some period of time.

LEO MITTLEMAN (ph)

The above person, according to WEBER, is an attorney in New York City and he met him through BROTHMAN while at CHEMURGY. MITTLEMAN was contacted by BROTHMAN for legal advice on an engineering contract which never materialized.

GUS WOLLAN

WOLLAN, according to WEBER, was working at CHEMURGY in late 1943. BROTHMAN also brought WOLLAN to REGAL CHEMICAL ENGINEERING CORPORATION to do some work there. WEBER stated that WOLLAN did not appear to be a close associate of BROTHMAN, and he left the employ in 1944 and WEBER has no knowledge of him since that time.

ALEX BRAND

BRAND is a New York City attorney and was retained by BROTHMAN in 1943 to handle a contract regarding work with the BRIDGEPORT BRASS COMPANY; however, the contract did not materialize. WEBER stated that he only saw BRAND on one or two occasions.

ARTHUR MARKMAN (ph)

MARKMAN, according to WEBER, was an old friend of BROTHMAN and his family and WEBER first met him at the HENDRICK MANUFACTURING COMPANY in 1941 and saw him infrequently thereafter when he came to visit BROTHMAN. WEBER stated that MARKMAN was an officer in a bank which was located in the vicinity of 14th Street in Manhattan, and that BROTHMAN'S wife had

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apparently worked as secretary for MARKMAN at one time. WEBER described MARKMAN as being about 40 years of age in 1941; 5 feet, five inches; stocky build; partially bald; single; and a very good dresser.

FRANK KEPPLER (ph)

WEBER first met this person in late 1943 when he came to visit BROTHMAN at CHEMURGY. KEPPLER was a personal friend of BROTHMAN, and there was no business connection between the two, although WEBER believes that he was in a similar business to that of BROTHMAN. WEBER stated that he last saw him in early 1944 and described him as being in his middle to late thirties, 5 feet, five inches; medium build; and dark complexion. WEBER assumes he was from New York, but is without information concerning his address or any other identifying information.

JACK MILLS

WEBER advised that MILLS was another acquaintance of BROTHMAN and was a junior executive with the BRIDGEPORT BRASS COMPANY, and he, WEBER, first met him while at CHEMURGY. WEBER advised that contact was had with MILLS in an effort to get a contract for consulting and design work with BRIDGEPORT BRASS.

C. M. RASH

WEBER related that he had done some work in the synthetic rubber field, and DEAN NEWMAN of the College of the City of New York, his former college, was aware of this fact and contacted WEBER and asked him to meet with JOHN CARROLL, a junior executive in the GOLDMAN SACHS INVESTMENT COMPANY of New York City, who was associated with others, who were interested in the building of a synthetic rubber factory. As a result, he and BROTHMAN met RASH, former comptroller of GOLDMAN SACHS. Thereafter, RASH contacted BROTHMAN and WEBER on several occasions at which time he was acting as an agent for buyers and sellers of chemical plants. WEBER stated that RASH contacted him in August of 1949, and at that time he was associated with the AMERICAN WEIGHING CORPORATION in New York. At that time, WEBER made an examination of several hundred tons of plaster for RASH. WEBER described RASH as about 60 years of age; 5 feet, nine inches; slight build; bald and wears glasses. He has had no contact with him since last August.

ADMINISTRATIVE PAGE, CONTD

~~SHINDLER~~ (ph)

WEBER advised that this person used to visit BROTHMAN at CHEMURGY and that he operated a small paint factory in Brooklyn, and was also interested in a substance to be used in the covering and preserving of metal, and to further his work in this field, used the small laboratory at CHEMURGY for testing purposes. WEBER possessed no further information concerning SHINDLER, other than to describe him as being about 45 years of age, 5 feet, ten inches; heavy build; mustache; and bald.

BROTHMAN'S Family

WEBER stated that he previously furnished New York agents with information concerning an individual who, he stated, was BROTHMAN'S cousin; however, since thinking the matter over, he now states this person was a brother-in-law of BROTHMAN. He stated that this person was always accompanied by BROTHMAN'S sister when they visited the offices at CHEMURGY.



ADMINISTRATIVE PAGE, CONTD

On March 20, 1950, WEBER was reinterviewed by the writer in the New York Office, at which time he was exhibited certain photographs. WEBER selected from this group of photographs the picture of HARRY GOLD, whom he later identified as the individual known to him as an acquaintance of BROTHMAN, under the name of FRANK KEPPLER (phonetic). WEBER knew that KEPPLER was a personal friend of BROTHMAN and that there was no business connection between BROTHMAN and KEPPLER.

On June 8, 1950, WEBER was again interviewed by the writer with particular emphasis on the visits by "KEPPLER", who by this time had been identified as GOLD. WEBER stated that he recalled now that GOLD, when he came to the offices of CHEMURGY on the first occasion, which occurred in about 1943, was introduced around by BROTHMAN as KEPPLER. Several times thereafter, WEBER saw him at the CHEMURGY offices and usually on every occasion, BROTHMAN would bring KEPPLER into a private office off of a large draftsmen's pool and they conversed here for varying lengths of time, behind closed doors. WEBER had no independent recollection of ever having had lunch or any other association with GOLD outside the CHEMURGY offices.

ADMINISTRATIVE PAGE

In addition to information previously described in the details of this report in connection with the interview with EMIL BARISH, he recalled that the only outside contacts of BROTHMAN, whom he knew during the pertinent period were one TED OLIVE, whom he described as the editor of "Chemical Engineering", a trade magazine which he thinks is published by McGraw-Hill.

He recalled BROTHMAN having associated with one Professor KOOPMAN, a professor of mathematics at Columbia University, concerning some mathematical formulae with which KOOPMAN was assisting BROTHMAN. He also recalled one MALGREN, an officer of the Graver Tank Company, and one REYNOLDS of the Bridgeport Brass Company, both of whom were contacted by BROTHMAN in connection with his agreements with these companies. BARISH could not recall the first names or other identifying data concerning these individuals.

BARISH advised that he did not recognize the name FRANK KEPPLER or FRANK KESSLER, which according to information previously received in this case are aliases of HARRY GOLD. No indication was made by agents to BARISH of a possible connection between the name KEPPLER or KESSLER and HARRY GOLD.

The only other contacts known to BARISH were neighbors of BROTHMAN whom he met in BROTHMAN'S home and knew exclusively on a social basis. He does not presently recall the names of any of these individuals. BARISH stated that he had no information concerning any connections of ABRAHAM BROTHMAN with the Amtorg Trading Corporation or the various officials thereof.

The informant advised that the Abraham Brothman and Associates maintained a bank account in a bank at the northeast corner of East 32nd Street and Park Avenue, New York City, where BARISH also maintained a personal account. He stated that he could not recall the name of this bank at the present time.

BARISH advised that he filed his state and federal income tax returns in Manhattan, New York City. He stated that while he had no personal information concerning same, he assumed that the returns of the company were also filed in Manhattan, New York City. He recalled that this matter was probably handled by an accountant hired by BROTHMAN whose name he does not now recall, but whom he described as a little gray haired man. He stated that this individual assisted him in completing his personal return.

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LEADS

NEW YORK

At New York City

Will display additional photographs of MIRIAM MOSKOWITZ to [REDACTED] and [REDACTED] b2 b7D

*Start here* → Will check the records of American Airlines for information concerning the credit card which BROTHMAN held.

Will check the indices of the New York Office for information pertaining to contacts of BROTHMAN as supplied by Confidential Informant T-1.

Will contact known business contacts of BROTHMAN and will conduct other investigation bearing on the establishment of a charge of espionage against BROTHMAN.

In the event that the New York indices reflect that any of the individuals listed by T-1 are known Soviet espionage agents, investigation will be conducted to determine the nature of their association with BROTHMAN.

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CONFIDENTIAL INFORMANT PAGE

The Confidential Informants mentioned in the report of SA JOHN R. MURPHY, JR., dated June 30, 1956 at New York, are identified as follows:

T-1: Anonymous source  
T-2: Anonymous source  
T-3: [REDACTED] (request). b7c b7D  
T-4: Not utilized  
T-5: Special Squad #1, New York City Police Department  
T-6: Social Security Records, Baltimore, Maryland  
T-7: [REDACTED] b7c b7D  
T-8: [REDACTED] b7c b7D  
T-9: [REDACTED]  
T-10: [REDACTED]  
T-11: [REDACTED]  
T-12: [REDACTED]  
T-13: LOUIS BUDENZ, former managing editor of the "Daily Worker"  
T-14: [REDACTED] b7c b7D  
T-15: [REDACTED]  
T-16: [REDACTED]  
T-17: [REDACTED]

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CONFIDENTIAL INFORMANT PAGE (CONT'D.)

T-18:

T-19:

T-20:

T-21:

T-22:

T-23:

b2  
b7D

REFERENCE:

Report of SA JOHN R. MURPHY, JR., New York, 4/5/50

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## Office Memorandum

UNITED STATES

GOVERNMENT

TO : Director, FBI

DATE: June 30, 1950

FROM : SAC, New York

SUBJECT: ABRAHAM BROTHMAN, was;  
"Pa", "The Penguin"  
ESPIONAGE - RALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042 RDT/CJS

Reference is made to the report of SA JOHN R. MURPHY, JR., dated June 30, 1950, at New York, five copies of which are enclosed.

It is noted that to date it does not appear that sufficient evidence has been obtained to support a charge of espionage against BROTHMAN. However, on July 22, 1947, BROTHMAN testified before the Federal Grand Jury in the Southern District of New York and made statements which are contradictory of accounts given by HARRY GOLD and ELIZABETH T. BENTLEY.

Copies of BROTHMAN'S testimony before the Grand Jury obtained on a confidential basis have been forwarded to the Bureau, and it is requested that BROTHMAN'S statements be examined in the light of the recent interviews with GOLD and BENTLEY.

It is to be particularly noted that the running of the statute of limitations is imminent as bearing on a possible perjury charge, and it is the suggestion of this office that steps be taken to secure a sealed indictment to toll the statute.

It is the intention of this office to continue its investigation of BROTHMAN in an attempt to establish the fact that information passed by him to GOLOS, BENTLEY or GOLD pertained to the national defense, as defined in the espionage statute and also to develop other facts bearing on this violation.

The possibility of calling BROTHMAN before a new Grand Jury should also be considered failing the above in order to establish a clear-cut case of perjury.

It is suggested that the Bureau immediately examine BROTHMAN'S 1947 testimony before the Grand Jury with a view toward obtaining a perjury indictment, and that the matter be presented to the Department with this end in mind.

ENCL. - *Handled Separately 7-2-50*

This office again desires to emphasize the nearness of the running of the statute of limitations, and also the confidential nature of the manner in which BROTHMAN'S Grand Jury testimony was obtained.

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Letter to Director  
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Information concerning the Bma-s process, upon which an espionage charge may be based, has not been included in referenced report pending additional investigation to determine whether it is of a classified or secret nature. Complete information pertaining to this will be submitted in a later report.



FD-72  
(1-10-49)

# FEDERAL BUREAU OF INVESTIGATION

Form No. 1  
THIS CASE ORIGINATED AT **NEW YORK**

FILE NO **100-33638**

REPORT MADE AT <b>NEWARK</b>	DATE WHEN MADE <b>7/3/50</b>	PERIOD FOR WHICH MADE <b>6/18, 23/50</b>	REPORT MADE BY <b>BLAKE E. TURNER</b>
TITLE <b>ABRAHAM BROTHMAN</b>			CHARACTER OF CASE <b>ESPIONAGE - R</b>

## SYNOPSIS OF FACTS:

JEAN NIEMASECK, nee ZAWYRUCKA, 150 Ellery Ave, Newark, NJ, engaged by HARRY GOLD through THOMAS BLACK in 1942, to take dictation from GOLD and the Subject on Aerosol matter. Took other dictation at least six times in office near 42nd St. and Lexington Avenue, New York, NY, and received \$10. an evening from GOLD. Can identify BROTHMAN and GOLD. She did not retain any notes given her by GOLD and knows nothing of the activities, associates or loyalty of BROTHMAN or GOLD. NIEMASECK also took dictation from BLACK in Newark, NJ, in 1945 or 1946 on a technical matter which she does not recall. JACK FASS present on this occasion. She had no reason to question loyalty of BLACK, GOLD or BROTHMAN.

- RUC -

## DETAILS:

JEAN NIEMASECK, nee Zawyrucka, also known as Jennie, 150 Ellery Avenue, Newark, New Jersey, was interviewed on June 18, 1950, by Special Agent THOMAS W. KELTY and the writer, and she furnished the following information.

Mrs. NIEMASECK first met THOMAS BLACK about 1942 through her father, WILLIAM ZAWYRUCKA, when both of the latter were employed at the National Oil Products Company,

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5 - New York (100-35068)		3	
1 - Philadelphia (Info.) (65-4318)		FIVE	
1 - Washington Field		STAT	
2 - Newark		EX-115	
JUL 18 1950			

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NK 100-33638

Harrison, New Jersey. Subsequently BLACK told her that a friend of his needed a stenographer on a temporary basis and that this friend would contact her by phone to make arrangements to meet her.

Mrs. NIEMASECK was later contacted by HARRY GOLD who instructed her, by telephone, to meet him at the Pennsylvania Railroad Station reception room, New York, New York.

Sometime in 1942, Mrs. NIEMASECK proceeded as instructed to the Pennsylvania Railroad Station where she was met by HARRY GOLD. They proceeded by taxi to Grand Central Station and entered an office building which, as she recalls it, was connected to Grand Central Station by an underground passage.

Mrs. NIEMASECK was unable to recall the exact building or the name of the office to which they went but believes that it was near 42nd Street and Lexington Avenue, New York, New York.

When they arrived at this office, they were met by a third party whose name Mrs. NIEMASECK is unable to recall. When questioned as to whether it could have been ABRAHAM BROTHMAN, she replied that BROTHMAN was the individual.

She stated that she could recall the faces of both BROTHMAN and GOLD and that she could identify either one of them by sight or photograph.

Mrs. NIEMASECK stated her job was to take shorthand notes which were dictated to her by BROTHMAN and GOLD, after they had conferred in another room of this office. She also recalled on some occasions they gave her longhand notes which contained information of a technical nature and instructed her to type these later at her home.

Mrs. NIEMASECK said that her only recollection of the contents of either the dictation or the notes given her by BROTHMAN or GOLD was that they contained information of a technical nature concerning "Aerosol". She stated the word "Aerosol" bears no significance to her now and she did not understand it at that time.

Mrs. NIEMASECK stated that at the conclusion of these meetings with GOLD and BROTHMAN, GOLD would usually take her by taxi

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to the Pennsylvania Railroad Station at which time she would return home. GOLD would advise her that she was to type the dictation given her on plain white paper and he would obtain the transcribed notes at their next meeting at Pennsylvania Station. On the occasions that she was given longhand notes by either BROTHMAN or GOLD, she was instructed to type this information on white paper and told that GOLD would pick up these notes at their next meeting at Pennsylvania Station.

Mrs. NIEMASECK stated she met HARRY GOLD and performed duties similar to those described above at least six times and on each occasion the procedure was the same; that is, she would meet GOLD at Pennsylvania Railroad Station, proceed by taxi to the office building near Grand Central Station, take dictation from BROTHMAN or GOLD, and return to Pennsylvania Railroad Station. She said that on one occasion, GOLD took her to dinner after completion of dictation.

Mrs. NIEMASECK said she was paid \$10.00 a night for her work by HARRY GOLD and he usually paid her in cash at the completion of each evening.

She stated that on several occasions when she had appointments with GOLD and had been instructed to meet him at Pennsylvania Railroad Station, he failed to appear and at the next meeting he explained he had other commitments which interfered.

Mrs. NIEMASECK stated that her meetings with GOLD were always arranged through a telephone call to her residence from HARRY GOLD.

Mrs. NIEMASECK was unable to state where GOLD came from on the occasions she met him at Pennsylvania Station inasmuch as she was always instructed to meet him in the reception room. She said she had no knowledge regarding his residence or activities at any time. She also said she knew none of GOLD's associates with the exception of BROTHMAN and she did not know the relationship between BROTHMAN and GOLD. Mrs. NIEMASECK was likewise unable to furnish any information regarding the activities or residence of BROTHMAN.

Mrs. NIEMASECK stated that sometime in early 1943, the exact date not recalled, she received a check or money order from HARRY GOLD in the amount of \$60.00 which constituted full payment for her services up to that point. In this connection she stated that at that time GOLD had fallen behind in his payments to her. She further explained that GOLD paid her \$10.00 a night and she received payment

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whether or not GOLD showed up at the Pennsylvania Railroad Station. She stated that included with the above check or money order was a note from HARRY GOLD to the effect that her services would no longer be required. Mrs. NIEMASECK was unable to recall the exact contents of this note but stated she did recall that GOLD gave her no explanation for discontinuing her services. She could only remember that he informed her he was going away or "something like that".

Mrs. NIEMASECK stated that in typing the material dictated to her by BROTHMAN and GOLD, which typing she did in her home, she sometimes retained copies or portions of the material due to apparent errors in spelling or grammar. She stated although she was instructed to return all of this material, that she inadvertently retained some of it for a period of time following the termination of her employment with GOLD. She stated, however, she believes this material has since been destroyed. Mrs. NIEMASECK said she will make a thorough search of her personal belongings in an effort to ascertain if any of this material is still present.

Mrs. NIEMASECK said her only association with HARRY GOLD was to take his dictation and she has neither seen nor heard from him since her last appointment with him at the Pennsylvania Railroad Station until his recent arrest. She also said she only saw BROTHMAN on the several occasion when she went with GOLD to the office near Grand Central Station and she could furnish no information concerning BROTHMAN.

Mrs. NIEMASECK also stated she met one THOMAS L. BLACK through her father and uncle, FRANK DZIEDZIC, when all three were employed at the National Oil Products Company, Harrison, New Jersey. She stated that in 1945 or 1946, she did some typing for BLACK during which time he resided in the "Down Neck" section of Newark, New Jersey. She stated that another individual was living with BLACK at that time whose first name was JACK. When asked if the last name of this individual was FASS, she stated it was. She then added that FASS was present when BLACK dictated to her. She stated she only took dictation from BLACK on one occasion and she does not recall the nature of the material on which he dictated.

Mrs. NIEMASECK said she never had any reason to question the loyalty or activities of BLACK, GOLD, or BROTHMAN at any time and none of them made any significant impression on her, and further stated she had nothing to do with any of them other than to

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take dictation as described.

Mrs. NIEMASECK advised that she was born April 11, 1928, at Taylor, Pennsylvania, and is presently employed as a stenographer by the Motor Finance Corporation, 15 Washington Street, Newark, New Jersey; telephone: Humboldt 5-7600.

Mrs. NIEMASECK's description is as follows:

NAME:	JEAN NIEMASECK, nee Zawyrucka, aka Jennie
RESIDENCE:	150 Ellery Avenue Newark, New Jersey
HEIGHT:	5'5"
WEIGHT:	130 lbs
EYES:	Green
HAIR:	Light Brown
COMPLEXION:	Fair
BUILD:	Medium

FRANK DZIEDZIC, uncle of Mrs. NIEMASECK, 176 High Street, Nutley, New Jersey, who is employed as a foreman chemical operator, Research Division, Hoffman La Roche, Inc., Nutley, New Jersey, arrived at the home of Mrs. NIEMASECK for a visit during the interview with her.

DZIEDZIC stated he did not know the Subject and was unable to furnish any information concerning him.

WILLIAM ZAWYRUCKA, 150 Ellery Avenue, Newark, New Jersey was interviewed by Special Agent EUGENE C. JONES and the writer on June 20, 1950, and he stated he did not know ABRAHAM BROTHMAN and was unable to furnish any information concerning him.

- REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN -

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ADMINISTRATIVE PAGE

REFERENCE: Report of SA RUFUS T. TYSON dated 6/16/50, at Newark  
Philadelphia teletypes to Newark dated 6/17/50

# FEDERAL BUREAU OF INVESTIGATION

Form No. 1

THIS CASE ORIGINATED AT

NEW YORK

FILE NO. 65-4318 mtp,mbq.

REPORT MADE AT <b>PHILADELPHIA, PA.</b>	DATE WHEN MADE <b>JUL 5 1950</b>	PERIOD FOR WHICH MADE <b>6/4,6,12,13,15,16, 20-22,24,26,29/50</b>	REPORT MADE BY <b>ROBERT G. JENSEN</b>
TITLE <b>ABRAHAM BROTHMAN, was.</b>			CHARACTER OF CASE <b>ESPIONAGE - R</b>

**SYNOPSIS OF FACTS:**

HARRY GOLD states he first met ABRAHAM BROTHMAN in 1941 upon instructions of SEMEN M. SEMENOV. GOLD says BROTHMAN told him of being handled by JACOB GOLOS and "HELEN" (ELIZABETH BENTLEY) before being handled by GOLD. GOLD states at BROTHMAN's bidding he told FBI in 1947 story at variance with circumstances of their initial meeting. GOLD states same story told before Federal Grand Jury in New York in 1947. GOLD said BROTHMAN knew of his dealings with EMIL JULIUS KLAUS FUCHS. Various items secured during search of GOLD's residence showing relationship with subject set forth. GOLD's comments concerning these items listed. Certain of these items listed as emanating from Hendrick Manufacturing Company, Carbondale, Pa. Comments of Estimating Engineer J. K. McWILLIAMS, Hendrick Manufacturing Company, listed. GOLD's knowledge of espionage history of BROTHMAN set forth. THOMAS L. BLACK, an admitted espionage agent of the 1930's, furnished information relative to dealings with BROTHMAN.

*pcn*

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APPROVED AND FORWARDED <i>A. Cornelius, Jr.</i> SPECIAL AGENT IN CHARGE	DO NOT WRITE IN THESE SPACES <div style="font-size: 2em; font-weight: bold; text-align: center;">100-365040-103</div> <div style="text-align: center;">JUL 6 1950 12</div> <div style="text-align: right; border: 1px solid black; padding: 5px;">RECORDED - 24 INDEXED - 24</div>
COPIES OF THIS REPORT <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <ul style="list-style-type: none"> <li>5 Bureau (100-365040)</li> <li>3 New York (100-95068)</li> <li>2 Los Angeles (65-5033)</li> <li>1 San Francisco (info)</li> <li>2 Wash. Field</li> <li>1 Cleveland (info)</li> </ul> </div> <div style="width: 45%;"> <ul style="list-style-type: none"> <li>3 Philadelphia</li> </ul> </div> </div>	

1 cc Attorney General  
admin page 22 + 33 Attached

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DETAILS:

AT PHILADELPHIA, PA.

I. INTRODUCTION

HARRY GOLD of 6823 Kindred Street, Philadelphia, Pa. on May 22, 1950 advised Special Agents T. SCOTT MILLER, Jr. and RICHARD E. BRENNAN that he was the individual to whom Dr. EMIL JULIUS KLAUS FUCHS passed information concerning the Atomic Bomb for transmission to Russia.

On May 23, 1950 a complaint was sworn to by Special Agent JOHN M. COLLINS of the Federal Bureau of Investigation before MARTIN C. EPSTEIN, United States Commissioner, Eastern District of New York, charging that from on or about January 1, 1944 and continuing to the date of the complaint, HARRY GOLD and "JOHN" DOE conspired among themselves and with other persons unknown, to violate Sub-Section A, Section 32, Title 15, United States Code, in that HARRY GOLD did obtain from EMIL JULIUS KLAUS FUCHS documents, etc. relating to the national defense with intent and reason to believe that it was to be used to the injury of the United States and to the advantage of a foreign nation, the USSR, and that GOLD would deliver, etc. the documents, etc. to "JOHN" DOE, a representative, officer, agent and employee of the USSR, and to other persons unknown, who were not entitled to receive the documents, etc. In pursuance of this conspiracy, HARRY GOLD and "JOHN" DOE met in September 1945 and conferred together in the vicinity of Jackson Heights, Long Island, in the Eastern District of New York.

On May 23, 1950 a hearing was held before United States District Judge JAMES P. MC GRANERY, Eastern District of Pennsylvania, sitting at Philadelphia. Federal Judge MC GRANERY advised the subject of his constitutional rights and stated he was entitled to benefit of counsel and permitted HARRY GOLD to read a copy of the complaint filed against him in the Eastern District of New York.

Upon completion of the hearing before Federal Judge MC GRANERY, bail was set in the amount of \$100,000 and GOLD was remanded to the custody of the United States Marshal in default of bail. GOLD was removed by the United States Marshal and placed in Moyamensing Prison. He was later removed from the Moyamensing County Prison because of crowded conditions and placed in the Holmesburg County Prison by prison authorities.



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## II. HARRY GOLD'S ASSOCIATION AND DEALINGS WITH ABRAHAM BROTHMAN

### A. INITIAL MEETING WITH BROTHMAN

On June 3, 1950, a white card approximately 2" x 3" in size, that contained this cryptic message on one side:

"mon 10 p.m., n side 27 bt 6 and 7 at ave. one car dk gray  
Pontiac sed 2 n 9088 Abe - send regards from Helen  
ask him about his wife Naomi and his baby girl"

was secured during a search of HARRY GOLD's residence.

HARRY GOLD, when shown this card on June 15, 1950 by SAs T. SCOTT MILLER, JR. and RICHARD E. BRENNAN, said it contained instructions relative to his first contact of ABRAHAM BROTHMAN. GOLD's detailed comments concerning this card are set out under Section II, sub-section D of this report.

On June 16, 1950, HARRY GOLD advised Special Agents T. SCOTT MILLER, JR. and RICHARD E. BRENNAN that his initial contact with ABE BROTHMAN was made on September 29, 1941, according to the best of his recollection. HARRY GOLD stated that he had received instructions from his espionage superior for making his initial contact with ABRAHAM BROTHMAN. GOLD said that he had made three unsuccessful attempts to meet BROTHMAN until the contact was finally effected on the fourth trial. GOLD said that on one or two of these first occasions "SAM" showed up rather than BROTHMAN. On the first occasion when "SAM" showed up, he told GOLD not to contact BROTHMAN. Later, however, "SAM" reinstated the arrangements for GOLD to contact BROTHMAN.

In connection with the individual herein reported as "SAM", GOLD has identified him as SEMEN MARKOVICH SEMENOV, his Russian espionage superior.

On the second occasion of GOLD's attempts to meet BROTHMAN, "SAM" again showed up instead of BROTHMAN. "SAM" at this time told him that BROTHMAN would not appear because it was Yom Kippur and that either BROTHMAN or his wife was very religious and as a result, this meeting would not occur.

On the third occasion, GOLD said the meeting was to occur somewhere in the Wall Street area of New York City. GOLD said no one showed up on this occasion.

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GOLD advised that when he eventually did meet BROTHMAN in the latter's car on 27th Street in New York City, the two of them drove after a short while to what GOLD believed to be a Bickford's Restaurant somewhere on 6th or 7th Avenue between 34th and 42nd Streets. GOLD added that at this initial meeting, most of the conversation was concerned with the advance of the German Army through Russia and BROTHMAN's statements that there was no point in trying to minimize the Russian losses or deaths.

B. GOLD'S VERSION OF GRAND JURY TESTIMONY

In an interview conducted on June 6, 1950, HARRY GOLD advised that he actually had never known JACOB GOLOS, as he had previously advised the FBI Agents and the Grand Jury in New York. GOLD said his first knowledge of GOLOS occurred close to Memorial Day of 1947 when BROTHMAN told him that he had advised the FBI that it was GOLOS who had sent GOLD to contact BROTHMAN in the manner that HELEN had. GOLD during this interview, said that he had never heard of either GOLOS or HELEN, and that it was actually "SAM" who had sent GOLD to BROTHMAN in the latter part of 1941.

GOLD added that BROTHMAN had actually not known GOLOS under his true name, but had known him under a name similar to "JOHN" or another single name. GOLD said that BROTHMAN told him that he would have to swear that GOLOS had sent GOLD to BROTHMAN, rather than the actual way it happened.

HARRY GOLD on June 12, 1950, furnished the following information concerning conversations he had with ABRAHAM BROTHMAN relative to their stories given to the FBI and the Federal Grand Jury in July, 1947:

HARRY GOLD advised that when he arrived in BROTHMAN's office shortly after BROTHMAN's interview with FBI Agents had been concluded, BROTHMAN stated, "The FBI were here. They know everything. They know about us. They know you were a courier. They have photographs of you and me together in a restaurant. Look, we don't have much time. Look HARRY, you've got to get this straight. You've got to tell the same story I told about how we met. Look, did you know this guy JOHN?" GOLD said that he might have said to BROTHMAN, "No, what was he like?" BROTHMAN then said "Look HARRY, you've got to get this description straight." GOLD said that BROTHMAN then described a photograph shown by FBI Agents to BROTHMAN of a man that BROTHMAN referred to as JOHN. BROTHMAN described JOHN as a small wizened sort of fellow, with reddish hair and a receding hairline. BROTHMAN told GOLD that JOHN's name was something like COLLUSH. After describing JOHN, BROTHMAN wanted to know if GOLD "got that," to which GOLD said that he did.

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BROTHMAN then said, "Look, you've got to make up some sort of story right away as to how you met this man. Remember, you've got to say JOHN introduced you to me. Look, I told them that JOHN was an entrepreneur or promoter and that you and I worked together for him with you evaluating chemical processes." GOLD asked BROTHMAN how the FBI got photographs of GOLD and BROTHMAN together. BROTHMAN said "I don't know. They've got them - a lot of them - photographs of FBI."

GOLD stated that at this time he became somewhat worried about the possibility that the FBI had photographs of him and/or "SAM" and GOLD's contact "JOHN."

Relative to the contact of HARRY GOLD described in the preceding paragraph as "JOHN", GOLD has identified him as ANATOLI ANTONOVICH YAKOVLEV. GOLD also advised that YAKOVLEV was the successor to SEMENOV as his Russian espionage superior.

About the middle of this limited conversation, BROTHMAN said "Someone has ratted - it must be that HELEN." BROTHMAN also said during this conversation, "Those fellows out there are going to see you - they may be on their way out there (BROTHMAN's Laboratory) now. I promised them I would not talk with you, so don't let on that we have talked about you. You've got to cover me up and tell them the same story that I told you."

GOLD said that BROTHMAN practically pushed him out of the office about the time that the full import of this conversation had been realized by GOLD. GOLD said he wanted to talk further on the matter, but BROTHMAN insisted that he leave. GOLD then went back to the BROTHMAN Laboratory and on the way there, thought of the CARTER HOODLESS story to the effect that HOODLESS of Pennsylvania Sugar originally introduced HARRY GOLD to JACOB GOLOS, whom HARRY GOLD believed was ABRAHAM BROTHMAN's espionage contact.

GOLD said that he was interviewed by FBI Agents at the ABRAHAM BROTHMAN Laboratories and at this time, he told the story as set forth in a signed statement which he furnished to the Agents at that time. HARRY GOLD said he believed the interview with the FBI Agents was concluded at about 9:00 p.m.

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Between 9 and 9:30 PM this same date MIRIAM MOSKOWITZ, who is ABRAHAM BROTHMAN's secretary, came to the BROTHMAN LABORATORIES with ABRAHAM BROTHMAN. GOLD stated that they may have called first to see if the Agents had left, but could not recall this for certain.

HARRY GOLD said the three of them then drove to a restaurant, "Sunny's of Chinatown" on Queens Boulevard, Rego Park. HARRY GOLD said that BROTHMAN was much more cheerful at this time than he was earlier in the day. He said that BROTHMAN wanted to know how HARRY GOLD had carried off the conversation with the Agents.

Later in the evening, upon returning to the Laboratory, GOLD and BROTHMAN began talking about their stories to the Agents. During this conversation in the Laboratory, BROTHMAN said, "Look HARRY, I've got to know all about you. What can they find out that I don't know?" GOLD said that at this time he told BROTHMAN that in reality he had never been married and that his brother was still alive and had not been killed in the Pacific and further that HARRY GOLD lived with his family in Philadelphia. GOLD recalls that BROTHMAN had made many recriminations for GOLD's having told these falsehoods, but BROTHMAN did not think these points would be serious.

GOLD said he did not have any time to question BROTHMAN about the story which the latter had told to the FBI Agents, stating that the greater portion of their conversation consisted of GOLD's telling his story to BROTHMAN relative to such individuals as CARTER HOODLESS, the meeting at the American Chemical Society and JACOB GOLOS.

GOLD said at this point that he realized that there was a discrepancy in the story that they had told that GOLD had stated to the Agents he had met BROTHMAN in 1941 and BROTHMAN had said to the Agents that he had met GOLD in 1940. GOLD said he and BROTHMAN decided to belittle the importance of this discrepancy and at that time BROTHMAN said you can always use the excuse that your memory was faulty. GOLD said that this was a phrase BROTHMAN used many times relative to any statements they might make which were in conflict.

GOLD said that BROTHMAN also seemed concerned that GOLD might have had other dealings in his association with the Soviets with which BROTHMAN was not familiar. GOLD added that BROTHMAN may have formed this opinion as a result of the six or seven year acquaintance of the two of them. GOLD also stated that BROTHMAN seemed worried that he would become involved with the FBI, because of his known association with GOLD. GOLD said that at this time he

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assured BROTHMAN that no one knew of any of GOLD's espionage activities and suggested to BROTHMAN that the latter not mention any other activities of GOLD in front of anyone, particularly MIRIAM MOSKOWITZ. There was no further conversation at this time about GOLD's activities with the Soviets, other than his dealings with BROTHMAN.

GOLD told BROTHMAN the fact that GOLD used the fictitious name of FRANK KESSLER was bothering him. GOLD said that he felt the FBI was certain to get in touch with ARTIE WEBER and that WEBER only knew GOLD as FRANK KESSLER. GOLD said that it is possible that it was this time that he thought up the idea of using his fear of Dr. GUSTAVE REICH, his superior at Pennsylvania Sugar, as the reason he dealt with BROTHMAN and BROTHMAN associates under the name of FRANK KESSLER.

At this time, BROTHMAN brought up the fictitious story of BROTHMAN and GOLD collaborating and writing a book on chemical processes with BROTHMAN writing the book and GOLD doing the chemical background. GOLD added that BROTHMAN offered this as an additional excuse for their association prior to the time that GOLD became employed by BROTHMAN. GOLD said he had been very dubious about this story and believes the only time he ever used it was immediately prior to his confession on the FUCHS matter.

GOLD said that he recalls that the opening remark that BROTHMAN made when they were in the Chinese Restaurant, previously described herein, was as follows:

"HARRY, you don't blame me for having brought your name into this do you? I thought since they would eventually uncover you, it would be better for me to bring you in myself and at the very beginning." GOLD said that BROTHMAN later repeated this remark shortly before GOLD testified in front of the Grand Jury on July 31, 1947.

GOLD said that sometime after BROTHMAN had appeared before the Grand Jury in New York, he received his summons to testify before the Grand Jury. GOLD said that someone in the ABRAHAM BROTHMAN LABORATORY had brought BROTHMAN the summons mailed to HARRY GOLD at the Lab address. BROTHMAN said, "Look HARRY, don't be scared or frightened, but you are going to be called before the Grand Jury - you don't have anything to worry about - we'll go over the story together and as long as you tell the same story that I did, everything will be OK."

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GOLD said he went to the Lab and worked until 5 or 6 AM the following morning. He said he originally wanted to visit his family in Philadelphia immediately after receiving the summons, but BROTHMAN told GOLD that he (BROTHMAN) had made an appointment for GOLD to see the attorney TOM, last name unknown, the following morning. GOLD said he saw TOM, this attorney, the following morning and told him the same story that he had told the interviewing FBI Agents.

GOLD said he saw BROTHMAN that evening about 11 or 12 PM in BROTHMAN's office. GOLD said he wanted to talk with BROTHMAN about his testimony the following day, but BROTHMAN talked with a number of his employees and then suggested that GOLD and BROTHMAN drive MIRIAM MOSKOWITZ home. GOLD said that while in the car he kept reminding BROTHMAN that they had some very important business to talk about, but BROTHMAN kept brushing it off and went into a great dissertation on political theory and the declining state of capitalism. GOLD added that he and BROTHMAN arrived in BROTHMAN's garage at about 4 AM on the day GOLD was to testify.

It should be noted at this time that HARRY GOLD testified on July 31, 1947 before a Grand Jury in New York.

GOLD said they began walking in the neighborhood of the BROTHMAN home, and that BROTHMAN did not seem too concerned about GOLD or what would happen before the Grand Jury, although GOLD said he wanted to talk about it. According to GOLD, BROTHMAN told him that if he were to be confronted with some conflicting statement or date in his testimony, he was to use the excuse that it had all happened some years ago and he had a faulty memory. During this walk, GOLD said he again repeated to BROTHMAN the story which GOLD had given to the FBI Agents in his interview by them and the story which he planned to tell the Grand Jury that day when he would testify.

GOLD said that BROTHMAN also instructed him on how to behave before the Grand Jury, that is his demeanor, etc.

GOLD said at this time Mrs. BROTHMAN was living at BROTHMAN's summer home in Peekskill, New York, so that GOLD, at BROTHMAN's request, was living with him. GOLD said that after two hours sleep, he dressed and was ready to leave the BROTHMAN residence to go to testify before the Grand Jury. BROTHMAN at this time was still in bed, but wished GOLD luck and again stated, "Look HARRY, you don't hold it against me for having brought you into this, do you?"

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GOLD said that after he testified before the Grand Jury, he went to see the lawyer TOM, last name unknown, and gave him the outline for what he, GOLD, had testified to. GOLD said that he then went to BROTHMAN's office and BROTHMAN and GOLD had dinner at ANTON TOKARSKI's RESTAURANT at Queen's Plaza. At this time, GOLD gave BROTHMAN orally in outline form, GOLD's testimony, at which time GOLD told BROTHMAN he thought he had succeeded in putting across to the Grand Jury the fact that GOLD was a blunderer, and in a very weak fashion, that GOLD may or may not have been implicated in Soviet espionage.

GOLD said that when he finally left BROTHMAN's employment in June, 1948, BROTHMAN wanted GOLD to go over his story one more time. GOLD said he told BROTHMAN at this time, there was no point in it because he was well acquainted with the story he had told. One of BROTHMAN's final remarks was "Remember when the Rover Boys come around you want to tell the same story you did before." GOLD also said that BROTHMAN may have added, "Don't pull a LOUIS BUDENZ." GOLD said that these latter two remarks were made by BROTHMAN in such a way that they appeared to imply a threat.

GOLD advised that the foregoing information was all that he could recall at this time concerning conversations between himself and BROTHMAN relative to their stories to FBI Agents and the Federal Grand Jury in New York.

C. BROTHMAN'S KNOWLEDGE OF GOLD'S DEALINGS  
WITH EMIL JULIUS KLAUS FUCHS

On June 12, 1950 HARRY GOLD furnished the following information to Special Agents T. SCOTT MILLER, JR. and RICHARD E. BRENNAN:

He said that shortly after he came to work for BROTHMAN in 1946, he had let drop the fact that he (GOLD) had obtained information on Atomic Energy. GOLD said it was stated in such a way that BROTHMAN realized that GOLD had obtained information in connection with Soviet espionage.

GOLD said that in the very early part of August, probably the first week of August, 1946, BROTHMAN asked him the name of the individual from whom GOLD had obtained the information on Atomic Energy. GOLD at this time, told BROTHMAN that it was best not for BROTHMAN to know, but BROTHMAN said "Look, I'm not prying. All I want to know is, was he an American?" GOLD said that he answered this by saying no, but that he qualified his answer by saying that the man might have been an Englishman. He also advised that upon this occasion, as a result of continued questioning and prying by BROTHMAN, GOLD may have told BROTHMAN that the individual was KLAUS FUCHS. GOLD said that he recalls that BROTHMAN whistled in surprise and said that he knew of FUCHS through some of FUCHS' mathematical publications.

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GOLD said that he does not believe that he ever told BROTHMAN in exact words that he, GOLD, was obtaining information for the Soviet Union. However, GOLD said he believed that BROTHMAN knew that HARRY GOLD got Atomic Energy information from somewhere in the Southwestern part of the United States.

On June 13, 1950, HARRY GOLD affirmed that the information that he furnished concerning BROTHMAN's knowledge of his dealings with JULIUS KLAUS FUCHS was absolutely true.



**D. MATERIAL SECURED DURING SEARCH OF GOLD'S RESIDENCE  
SHOWING ASSOCIATION WITH ABRAHAM BROTHMAN**

The material listed below was secured during a voluntary search of the HARRY GOLD residence, 6823 Kindred Street, Philadelphia, on June 2, 3, 1950 unless otherwise indicated.

- (1) A white card, approximately two inches by three inches in size, containing on one side the name "Jim Mc Millan, 60 Linden Avenue, Niles, Ohio". On the reverse side appeared the following cryptic notation:

"mon 10 p.m., n side 27 bt 6 and 7 at ave. one car dk gray Pontiac  
sed 2 n 9088 Abe - send regards from Helen ask him about his  
wife Naomi and his baby girl".

On June 15, 1950, HARRY GOLD advised that the name appearing on this card, "Jim Mc Millan, 60 Linden Avenue, Niles, Ohio", was a student who had attended Xavier University in Cincinnati while GOLD was in attendance there. GOLD said that MC MILLAN had no connection whatever with GOLD's espionage activity.

However, the notations which appear on the reverse side of this card, GOLD said, were in his handwriting and pertain to his espionage activity. GOLD said that these notations were jotted down when his Soviet superior, "SAM", was giving him instructions on GOLD's first contemplated contact with ABRAHAM BROTHMAN on September 29, 1941. GOLD said that the entire message, without abbreviations, should read:

"Monday, 10 p.m., north side of 27th Street between Sixth and Seventh Avenues, nearer Seventh Avenue. His car (ABRAHAM BROTHMAN's) would be a dark gray Pontiac Sedan, bearing tags 2 N 9088".

GOLD said he was to give the opening pass words as: "Give regards from Helen and ask him about his wife Naomi and his baby girl". GOLD said that he could not recall what BROTHMAN's answering pass word would be.

- (2) This item is a Manila folder containing three sheets of white paper with handwriting thereon and two additional blank sheets of paper. This material was found in a wooden box in the basement of HARRY GOLD's home on June 6, 1950.

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This material was shown to HARRY GOLD on June 24, 1950, and he advised that it was in his handwriting and the material was concerned with operating data on a magnesium powder plant. He said that this material had been given to him verbally by ABRAHAM BROTHMAN in about the spring of 1943 for submission to the Soviet Union.

GOLD said that the material had not been turned over to the Soviets because they were not interested in anything which was BROTHMAN's own design.

- (3) This item consists of eleven pages of handwritten notes and handdrawn figures on legal size yellow paper; a single sheet of ruled yellow paper, with number "3" in the upper right hand corner, and notations beginning number "2"; a single sheet of ruled yellow paper, entitled, "Notes on Computation"; four sheets of unruled white paper, bearing the numbers "16", "17", "18", and "19" in the upper right hand corner; and a sheet of white paper with the number "7" on top, containing typewriting and handwriting. This material was located in a group of miscellaneous papers found in a wooden box in the basement of HARRY GOLD's home on June 6, 1950.

HARRY GOLD advised that the eleven pages of handwritten notes and handdrawn figures on legal size yellow paper was in his handwriting and this material was concerned with mixing equipment. He said that this material was verbally given to him by BROTHMAN for submission to the Soviet Union, probably sometime around July, 1942. He said he thought that this data was completed on a Sunday morning in the offices of the Chemurgy Design Corporation.

The ruled yellow paper with the number "3" in the upper right hand corner and notations beginning number "2" was in BROTHMAN's handwriting, according to HARRY GOLD. He said this material referred to magnesium powder and had been given to GOLD by BROTHMAN for submission to the Soviet Union.

The four sheets of unruled white paper, bearing the numbers "16", "17", etc., in the upper right hand corner, were, according to GOLD, in his handwriting. He said this material referred to the Buna-S process. He said the encircled numbers on the left hand side of the first two pages refer to the body of the Buna-S Report, probably the preliminary report. He

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said that this material was given to him by BROTHMAN for submission to the Soviets about February, 1942.

The sheet of white paper with the number "7" on top, according to GOLD, contained his handwriting and referred to mixing equipment. GOLD said that this was given to him by BROTHMAN for transmission to the Soviets and that he thought the portion of this material which was typed had been typed in the offices of the Chemurgy Design Corporation. GOLD said he got a more complete report from BROTHMAN on the mixing equipment during the late summer or early fall of 1942.

- (4) This item consisted of a light green colored folder, containing 24 pages of typewritten material, captioned, "An Approach to the Problem of Continuous Reactor, etc." This material is accompanied by thirteen additional typewritten pages of illustrative examples. There are also two sheets of tracing paper, one of which reflects "Nomograph I", captioned, "Theoretical Circulating Capacity, etc."; while the other reflects "Nomograph II", captioned, "Theoretical Circulating Capacity of Propellers, etc." There are also three sketch sheets from Chemurgy Design Corporation listing "Figure 1" through "Figure 5" thereon.

On June 21, 1950, HARRY GOLD identified the material in this folder as being concerned with mixing data and said he believed this is part of the material BROTHMAN wrote on mixing. He said he did not know why he still had this in his possession but stated that there were three possibilities, which are as follows:

1. That BROTHMAN later submitted the complete report on mixing data in late 1942;
2. That this is material GOLD got from BROTHMAN subsequent to the time BROTHMAN gave him a complete report on mixing equipment. This placed the time of delivery, according to GOLD, on this material sometime in 1943;
3. A slight possibility that GOLD obtained it from BROTHMAN while he was working for BROTHMAN from 1946 to 1948.

GOLD said that none of his handwriting or handprinting appears on any of these pages, and feels that the handprinting shown thereon is that of ABRAHAM BROTHMAN.

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- (5) This item consists of three copies of an eight page article on "General Methods of Aerosol Dispensing"; one three page article on "Westinghouse Aerosol Containers"; two copies of a two page article on "Filling Density"; one three page article concerning Aerosol; three yellow sheets of paper containing drawings, "Figure I - Westinghouse Aerosol Container", Figure II - Armstrong Valve", "Figure V - Pennsylvania Engineer Model Aerosol Dispenser."

This material was shown to HARRY GOLD on June 21, 1950. He said that much of this material is duplication, and that it all refers to the Aerosol matter on which BROTHMAN was working. GOLD said that the yellow sheets referred to all contain drawings executed by BROTHMAN, and that the handprinting on these drawings is also by BROTHMAN.

GOLD said that he received this material sometime around May, 1943, and that it was given to him by BROTHMAN with the understanding that it would be turned over to the Soviet Union. GOLD said that the reason he did not turn it over to his Soviet contact was that the Soviets had lost interest in work which was BROTHMAN's own design or invention.

- (6) This item consisted of a light green colored folder, containing several blueprints. This material was secured on June 6, 1950. The blueprints contained in this folder are as follows:

1. A print of Chemurgy Design Corporation, number 102-F, dated September 21, 1942;
2. A print of the Chemurgy plan, number 105-B2, dated August 20, 1942;
3. A print of Chemurgy plan, number 105-B1, dated August 19, 1942;
4. A print of Chemurgy plan, number 105-C1, dated August 17, 1942;
5. A print of Chemurgy plan, number 105-D1, dated August 29, 1941.

This material was shown to HARRY GOLD on June 22, 1950. At this time, he advised that the above material all referred to the Rufert Plant which worked on a nickel catalyst, and for which plant BROTHMAN did work while at Chemurgy. GOLD said that BROTHMAN gave all of this material to him for submission to the Soviet Union but GOLD did not turn this material over to "SAM" because "SAM" had told him the Soviets were not interested in anything that was BROTHMAN's own work or design. GOLD added that, at this time, "SAM"

was trying to get GOLD to persuade BROTHMAN to go to work for one of the big rubber manufacturing companies.

- (7) This item is a large Manila envelope which was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. The Manila envelope contains a series of handwritten notes on pages numbered five through sixteen, inclusive, on the letterhead stationery of the Golwynne Chemical Corporation. In addition to the handwritten pages, there are also 50 blank pages of paper, bearing the letterhead of the same firm, contained in this envelope.

This material was shown to HARRY GOLD on June 22, 1950. He said that this was in his handwriting and that it must have been copied from material that BROTHMAN gave GOLD on mixing equipment. GOLD said this may have been material that he helped BROTHMAN on but he is sure the material was later turned over by BROTHMAN to him in the form of a complete report and that GOLD turned the report over to "SAM" about August, 1942.

- (8) This item consisted of a Manila envelope found in a wooden box in the basement of HARRY GOLD's home on June 6, 1950. Contained in this envelope were several blank income tax returns (federal) for the year of 1942. Also contained in this envelope was a shipping order, dated January 14, 1943, from the Enterprise Mill Soap Works to M. E. DOUGHERTY at the Pennsylvania Alcohol Corporation. In this envelope were white sheets of paper, numbered "1" through "4" and "17" through "25". There was also one white sheet of paper and one yellow sheet of paper, containing what appeared to be equations.

This material was shown to HARRY GOLD on June 22, 1950. GOLD said the blank income tax returns were just extra forms that he had obtained and never used.

The shipping order, dated January 14, 1943, GOLD said, must have inadvertently been mixed in with his papers.

The white sheets of paper, numbered "1" through "4" and "17" through "25", GOLD identified as being in his handwriting and said that it concerned mixing equipment and mixers, and that the material had been given to him by BROTHMAN for submission to the Soviet Union.

The one white sheet of paper and the one yellow sheet of paper, containing what appears to be equations, GOLD said was not in his handwriting. He said that it might be in BROTHMAN's handwriting and he does not know to what it refers.

- (9) This item consisted of 29 blueprints and a cover letter, dated February 19, 1944, from L. W. BIEKER, Water Treating Engineer, Graver Tank and Manufacturing Company, Inc., East Chicago, Ind., to the Chemurgy Design Corporation, 420 Lexington Avenue, New York City, Attention of Mr. A. BROTHMAN. According to the letter, the blueprints, which pertain to drawings of various vessels fabricated by Graver for the Rufert Chemical Company, were sent to BROTHMAN at BROTHMAN's request.

This material was shown to HARRY GOLD on June 21, 1950. HARRY GOLD advised that there were twenty blueprints that went with the cover letter and that all of these twenty blueprints referred to work which BROTHMAN had done for the Rufert Chemical Company. GOLD said that this material was given to him by BROTHMAN sometime in 1944, and was intended to be submitted to the Soviets. GOLD said that the reason he was still in possession of this material and had not turned it over was for one of the following two reasons:

1. That "JOHN" was not interested in the material;
2. That the material was of no use as it stood without suitable descriptions of the process for which it was designed.

Also included in this material and shown to GOLD on the same date are nine blueprints which, GOLD stated, refer to a field filling device for Aerosol bombs. GOLD said that these prints on the Aerosol bomb were given to him by BROTHMAN for submission to the Soviets but that GOLD did not turn them over for the reason referred to above relative to the blueprints from the Graver Tank and Manufacturing Company.

- (10) This material was contained in a Manila folder located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. Contained in this folder are 25 typewritten pages, entitled, "Questions and Answers Re the Liquid Mixing Data Sheet".

This Manila folder bore the caption, "1. The Hendrick Co.'s Material on Mixing (B. says that this is also his work)".

The material contained in this Manila folder was shown to HARRY GOLD on June 22, 1950. GOLD said that this was part of the data which BROTHMAN gave him on mixing data which was to be turned over to the Soviet Union. GOLD is of the opinion that the reason he still has this material is that it was supplanted by a revised report. He said that it was about September, 1942 that BROTHMAN gave him this material.

- (11) This item was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. This item consists of a folder in which there is contained sheets of paper, numbered from "29" through "51", and concerns itself with "Gas Liquid Mixing Operations".

This material was shown to HARRY GOLD on June 22, 1950. He said that this material was part of the data described in item ten, above, and was also given to him by BROTHMAN, possibly at a different time, for submission to the Soviet Union.

- (12) This item was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. It consisted of a Manila envelope with the following notations written in red pencil on the outside:

"Enclosed is sheet showing where space has been left for strike overs on the original copy -- Attention Mr. Brothman".

This envelope contained one typewritten page, which is numbered 52 at the top, and concerns itself with mixing equipment.

On June 22, 1950, this item was shown to HARRY GOLD. He advised that this was probably given to him by BROTHMAN at the same time that the material mentioned in item eleven was given to him.

- (13) This item was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. It consists of a Manila folder, entitled, "2. A. S. N. E. Specifications". Contained in this folder are three sheets of white paper, numbered "26", "27" and "28", with typewriting on each page.

This material was shown to HARRY GOLD on June 24, 1950. He advised that this material was given to him by BROTHMAN for delivery to the Soviets and the contents of this Manila folder concern themselves with mixing material.

- (14) This item was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. It consists of a Manila folder, bearing the notation in red pencil on the outside of the cover:

"Lieutenant Ewan, Naval Procurement Department,  
Widener Building or Commander Kurlec  
(Boss)".

There were fourteen pages of handwritten notes on graph paper, entitled, "Hendrick Continuous Method for Buna-S Manufacture". There was also eighteen yellow pages of handwritten notes that appeared to be a continuation of the information listed on the graph paper. There was also contained in this Manila folder an original and one carbon copy of a two page typewritten document, entitled, "Notes on Continuous Method Report".

This material was shown to HARRY GOLD on June 22, 1950. He advised that all the handwritten material was in BROTHMAN's handwriting. He said that this data was submitted to GOLD by BROTHMAN prior to the end of March, 1942, when BROTHMAN gave GOLD the complete Buna-S Report. GOLD said that BROTHMAN's report is extremely complete and detailed and indicates the quality of the work which was later turned over to "SAM" by GOLD in the form of a typewritten and more complete report.

GOLD stated that the reason this handwritten report is still in his possession is that the handwritten report was supplanted by the typewritten report. GOLD said that he noticed some of the pages of the handwritten report had been cut. He advised that they referred to corrections that the writer of the report made.

In connection with the notations concerning Lieutenant Ewan and Commander KURLEC that appear on the outside of this Manila folder, GOLD said that he could only guess as to what the note on the outside of this folder meant. He said that he would guess that the names had been given to him by CARTER HOODLESS shortly after GOLD had been turned down for the draft because of physical disability (early 1942). GOLD said he believed that HOODLESS had given him the above two names for GOLD to contact relative to getting into the service and being placed where his physical disability would not interfere. GOLD said that he never did anything about this as far as he could recall.

- (15) This item was located in a wooden box in the basement of HARRY GOLD's residence on June 6, 1950. This item consists of a light green, colored folder, containing the following blueprints:



1. Blueprint of the drawing of the Hendrick Manufacturing Company, Carbondale, Pa., bearing number H-207A, dated February 8, 1942. This blueprint was entitled, "Butadiene and Styrene Recovery System - B. F. Goodrich Company, Akron, Ohio."

GOLD said that this represented work done by Hendrick for Goodrich and was concerned with the two raw materials necessary for the manufacture of the Buna-S Synthetic Rubber.

2. Blueprint of the plan of the Hendrick Manufacturing Company, Carbondale, Pa., bearing number H-200, dated January 4, 1941, and entitled, "Preliminary Study for 1,500 Gallons Per Day, Buna-S Synthetic Rubber, Latex Plant - Dewey and Almy Chemical Company."

GOLD said this was a flow sheet for the entire Buna-S Process and covers the manufacture of Buna-S itself and the recovery of unused material.

3. Blueprint of a plan of the Hendrick Manufacturing Company, Carbondale, Pa., bearing number H-200A, dated January 4, 1941, entitled, "Preliminary Study for 1,500 Gallons Per Day, Buna-S Synthetic Rubber, Latex Plant." Attached to this print is another print of H-207A for the Butadiene and Styrene Recovery System; mentioned above. In connection with these two blueprints, it should be noted that the name Dewey and Almy Chemical Company and the name of B. F. Goodrich Company have been masked out with tape.

GOLD said he believed the tape placed on the legend of the blueprint referred to the fact that GOLD was supposed to cut out that section and also that section on all blueprints which had any identification connecting them with a company or an individual.

4. Blueprint of a plan of the Hendrick Manufacturing Company, Carbondale, Pa., number H-207B, dated February 22, 1942, entitled, "Preliminary Layout Study of Butadiene and Styrene Recovery System - B. F. Goodrich Company, Akron, Ohio."

GOLD said this was a layout study of the recovery system and serves to locate the positions of the various items of equipment in the plant.

Attached to the above was a blueprint of Hendrick Manufacturing Company, number H-207B supplement, dated February 22, 1942, with the same title and is merely an addition to H-207A.

Concerning the above blueprints, which were shown to HARRY GOLD on June 22, 1950, he said they were all given to him by BROTHMAN for submission to the Soviet Union. GOLD said that, while these blueprints are valuable, it would be necessary to furnish a report with them or some detailed explanation of the process as applied to the manufacture and design, and, for this reason, GOLD did not submit these blueprints to his Soviet superior, "SAM". GOLD said these blueprints were given to him by BROTHMAN as merely a delaying action on the part of BROTHMAN against his promises to GOLD for completion on the report on the Buna-S Process. GOLD said that he received these blueprints during 1942.

GOLD said that, when the complete report on the Buna-S Process was given by BROTHMAN to GOLD, who, in turn, gave it to "SAM", the report was so complete that it was not necessary to supplement it with blueprints although GOLD did recall that possibly one blueprint of the flow sheet accompanied the report.

In addition, the following blueprints, bearing these numbers, were contained in this folder:

- 7 - Hendrick Plan - H-193A
- 8 - Hendrick Plan - H-139B
- 9 - Hendrick Plan - H-193D
- 10 - Hendrick Plan - H-193C
- 11 - Hendrick Plan - H-193E
- 12 - Hendrick Plan - H-193F
- 13 - Hendrick Plan - H-193G
- 14 - Hendrick Plan - H-193H

These blueprints were stapled together and, according to GOLD, were concerned with a thousand gallon water cooled resin kettle. GOLD said these blueprints were given to him by BROTHMAN for submission to the Soviet Union.

Also contained in the above folder was another group of blueprints, three in number, identified as Ma-110-100, Ma-110 and Ma-111. These prints are unlabeled and, when shown to HARRY GOLD on June 22, 1950, he advised he does not recognize these prints and has no way of telling to what they refer.

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Also contained in this folder was a blueprint of a Hendrick plan, number H-187, dated October 13, 1941, entitled, "150 Gallons Esterifier - The Barrett Company, Frankford, Philadelphia, Pa."

GOLD identified this print as merely one of the fragments BROTHMAN gave him very early in their association. GOLD said that this might possibly be one of the few occasions that "SAM" ever handed GOLD anything back inasmuch as this blueprint is innocuous by itself and needs a supplemental report to explain its use.

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~~E.~~ HENDRICK MANUFACTURING COMPANY, Carbondale, Pa.

The material hereinafter described, is comparable with the exhibits previously listed as Items #10 through #15 in the preceding section.

On June 29, 1950, Special Agent JOHN A. HEBENSTREIT exhibited various items hereinafter set forth, to Mr. J. K. McWILLIAMS, Estimating Engineer, HENDRICK MANUFACTURING COMPANY. The comments of Mr. McWILLIAMS concerning each item will be set forth following the particular item.

ITEMS #10, 11, & 12

25 typewritten pages, headed "Questions and Answers re the Liquid Mixing Data Sheet" and various typewritten pages numbered from 29 to 52, headed "Gas - Liquid Mixing Operation."

Mr. McWILLIAMS was unable to furnish any information concerning these typewritten pages, but did indicate that they could have been written up in connection with the injection type mixer manufactured by HENDRICK MANUFACTURING COMPANY and designed by BROTHMAN. He advised that to his knowledge, there would be no way of determining if this data came from the files of the HENDRICK MANUFACTURING COMPANY.

According to Mr. McWILLIAMS, all work concerning the gas-liquid injector mixer was handled by the New York Office of the HENDRICK MANUFACTURING COMPANY and added that Mr. B. G. DANN, Office Manager of the New York Office, might be able to furnish additional information.

Mr. McWILLIAMS was unable to say if this data involved classified or confidential material.

ITEM #13

Three pages of typewritten notes numbered 26, 27, and 28, bearing the heading "American Society of Mechanical Engineers and/or The American Petroleum Institute - American Society of Mechanical Engineers' Codes for Unfired Pressure Vessels."

Mr. McWILLIAMS advised that these records appeared to be identical with the specifications for unfired pressure vessels as required by the Department of Labor and Industry, State of Pennsylvania. This data will be made available to anyone requesting it by the Department of Labor and Industry.

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ITEM #14

28 pages of handwritten notes, headed "HENDRICK'S CONTINUOUS METHOD FOR BUNA-S MANUFACTURE", and two pages of typewritten notes headed "Notes on Continuous Method Report."

Mr. McWILLIAMS could not furnish any information concerning these notes and could not explain why the handwritten notes were headed "HENDRICK'S CONTINUOUS METHOD FOR BUNA-S MANUFACTURE." If Mr. BROTHMAN worked on the process while associated with HENDRICK MANUFACTURING COMPANY, he may have used HENDRICK's name to give it added importance. To Mr. McWILLIAMS' knowledge, BROTHMAN never worked on the BUNA-S Process at the request of the HENDRICK MANUFACTURING COMPANY. He was unable to advise if this process involved information of a classified or confidential nature.

Mr. W. W. STODDARD, Vice President and Treasurer, HENDRICK MANUFACTURING COMPANY, advised that BROTHMAN never worked on the Buna-S Process at the request of the HENDRICK MANUFACTURING COMPANY. He was unable to furnish any information concerning the Buna-S Process and could not say if this process involved work of a confidential or classified nature.

ITEM #15

A blueprint on the Butadiene and Styrene Recovery System, dated February 8, 1942 for the B. F. GOODRICH COMPANY, Akron, Ohio, bearing #H-207A.

This blueprint appeared to set forth, step by step, the entire process for recovery of Butadiene and Styrene. Mr. McWILLIAMS said that the recovery process was set out in such a manner that it could be exhibited to a group of persons not familiar with the process or engineering, so that each step could be explained to them to assure that they would have a reasonably good idea of the steps necessary to recover Butadiene and Styrene.

A blueprint on the preliminary layout study of Butadiene and Styrene recovery system dated February 22, 1942, for the B. F. GOODRICH COMPANY, Akron, Ohio, bearing #H-207B.

This blueprint was the same as H-207A, except that it showed the structure of the equipment necessary to complete the process and how it would appear from an engineer's point of view.

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A blueprint on the preliminary study for 1500 Gal/Day Buna-S Synthetic Rubber Latex Plant, dated January 4, 1941, for the DEWEY AND ALMY CHEMICAL COMPANY, bearing #H-200.

According to Mr. McWILLIAMS, this blueprint was similar to the blueprint numbered H207A in that it was drawn in such a manner that it could be exhibited to a group of persons not familiar with the process, so that each step could be explained to them.

A blueprint on the preliminary study for 1500 Gal/Day Buna-S Synthetic Rubber Latex Plant, dated January 4, 1941, and bearing the number H-200A.

The name of the company had been covered over with tape, but it was determined to be DEWEY AND ALMY CHEMICAL COMPANY.

Mr. McWILLIAMS said that this blueprint was the same as that numbered H200, with the exception that it appeared that certain corrections had been made on this drawing.

Also attached to this blueprint was another blueprint on the Butadiene and Styrene recovery system, dated February 8, 1942, bearing #H-207A, which Mr. McWILLIAMS said appeared to be identical with #1.

Mr. McWILLIAMS caused a check to be made of the records of the HENDRICK MANUFACTURING COMPANY, which failed to reflect that this equipment or any part thereof, had been manufactured by the HENDRICK MANUFACTURING COMPANY. He added, in fact, that the records of the HENDRICK MANUFACTURING COMPANY failed to reflect that a bid was ever made to manufacture this equipment or any part thereof.

Mr. McWILLIAMS stated as a result of his position as Estimating Engineer, he sees nearly all blueprints, but could not recall observing these blueprints before. Mr. McWILLIAMS was of the opinion that these blueprints were made by BROTHMAN for the purpose of exhibiting them to certain individuals in order to interest them in various research work being done by him. Mr. McWILLIAMS stated, however, that to his knowledge, none of these blueprints involved work which was of a classified or confidential nature.

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A group of four blueprints, all attached together, concerning a distillation unit, agitated kettle with condenser, vapor piping and receiving tank for the SYNVAR CORPORATION, Wilmington, Delaware.

These blueprints bore the following numbers and dates:

H-193H 12-8-41

H-193A 11-26-41

H-139B 11-27-41 (Mr. McWILLIAMS stated this was apparently an error and should have been H-193B)

H-193D 12-9-41

Mr. McWILLIAMS advised that in December, 1941, the HENDRICK MANUFACTURING COMPANY received an order from the SYNVAR CORPORATION, 103 Lombard Street, Wilmington, Delaware, for one distillation unit, consisting of steam jacketed, agitated kettle with condenser, vapor piping and receiving tanks.

A photostatic copy of a Preference Rating Certificate, #211184, dated December 16, 1941 from the Office of Production Management, Priorities Division, Washington, D. C., reflecting that the above equipment had a preference rating of A-3.

A second Preference Rating Certificate, #C-102805, dated February 13, 1942, changed the preference rating to A-1-J. A notation on the certificate indicated that this certificate cancels and supercedes Certificate #211184, dated December 16, 1941.

A third Preference Rating Certificate, #C-118771, dated March 4, 1942, reflected that the rating was to remain the same, but that the equipment was to be made "as soon as possible."

Mr. McWILLIAMS stated, however, that to his knowledge, this equipment was not classified or of a confidential nature.

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A blueprint dealing with a 150 Gallon Esterifier, dated October 13, 1941, for the BARRETT DIVISION, Philadelphia, Pennsylvania, bearing #H-187.

Mr. McWILLIAMS advised that the records of the HENDRICK MANUFACTURING COMPANY reflected that a bid was made by the HENDRICK MANUFACTURING COMPANY, but was not accepted by the BARRETT DIVISION of the ALLIED CHEMICAL AND DYE CORPORATION.

Mr. McWILLIAMS stated that to his knowledge, this equipment was not of a classified or confidential nature.

Three blueprints identified as MA-AT 100, MA-110 and MA-111, and bearing the name of FREDERICK FRANZ, 401 Chapel Street, New Haven, Connecticut, appearing in the lower righthand corner.

Mr. McWILLIAMS stated that the three blueprints appeared to have been made from other blueprints by FREDERICK FRANZ. He said he could not recall ever having seen the blueprints before and could not tell if they had come from the HENDRICK MANUFACTURING COMPANY. He was unable to advise whether these blueprints involved classified or confidential material.



III. HARRY GOLD'S VERSION OF ESPIONAGE HISTORY OF ABRAHAM BROTHMAN

HARRY GOLD on June 20, 1950 advised Special Agents T. SCOTT MITCHELL, Jr. and RICHARD E. BRENNAN that BROTHMAN had at one time a contact at AMTORG whom GOLD believes was an underling of some sort, that is a clerk. GOLD said that this man at AMTORG was an American, but had an Armenian name. GOLD said that he believed BROTHMAN's associations with this man occurred sometime late in the 1930's. GOLD said he believed that this man, whose name he did not know, was discharged from AMTORG. He also said that he believed BROTHMAN's association with this man had something to do with BROTHMAN's first dealings with the Soviets, although GOLD advised he cannot recall any conversation with BROTHMAN which gave GOLD this impression.

On the same date, HARRY GOLD said that shortly after he first met BROTHMAN, BROTHMAN told him that he had supplied information to JACOB GOLOS, whom BROTHMAN knew only as JOHN. GOLD said that BROTHMAN told him this was information concerning a turbine engine for aircraft which BROTHMAN had worked on at HENDRICK MANUFACTURING COMPANY. GOLD advised that BROTHMAN also told him shortly after they met that BROTHMAN was very glad to see GOLD, since BROTHMAN could again begin passing information to the Soviet Union, which was BROTHMAN said "the only country conducting a true fight against Fascism." HARRY GOLD advised that he did not know the circumstances under which BROTHMAN first met JACOB GOLOS. He also advised he did not know when they last met. GOLD also added that BROTHMAN told him sometime during their first, second or third meeting that BROTHMAN had got along well with GOLOS.

On June 20, 1950 HARRY GOLD also advised that BROTHMAN told him that his association and dealings with "HELEN" (ELIZABETH BENTLEY) had not gone too well. GOLD advised that BROTHMAN said that things would probably be better now as GOLD was a chemist and they would be able to understand one another better.

On this same date, HARRY GOLD advised that BROTHMAN definitely knew that HARRY GOLD was a Soviet Agent and that GOLD had succeeded HELEN (ELIZABETH BENTLEY), as his contact in Soviet espionage.

GOLD also advised that he recalled BROTHMAN once asked him, "How is JOHN?" GOLD said, although he did not know who BROTHMAN was referring to, he answered, "Fine." GOLD said that the reason he answered this question of BROTHMAN, was that "SAM" had told him previously never to act stupid when asked any such type of question.

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GOLD said that in conversations with BROTHMAN throughout their acquaintance, GOLD interchangeably used these expressions; "Soviet Union," "Other Side", "U.S.", or "S.U." when referring to the Soviets.

On June 20, 1950 HARRY GOLD said that in the last few months of 1942 or the first two months of 1943, a meeting in the Hotel Lincoln in New York City was arranged between HARRY GOLD, ABRAHAM BROTHMAN and GOLD's contact "SAM." GOLD said this meeting was arranged for the following reasons:

First, in an effort to get BROTHMAN into further work on synthetic rubber and preferably to have BROTHMAN go to work for some big rubber company or, in any event, some large firm. Second, to build up ABE BROTHMAN's ego and instill in him a further desire to do work for the Soviet Union by having BROTHMAN meet a recently arrived and "important official" of the Soviet Union. GOLD advised that this individual was, of course, "SAM." Third, to thank BROTHMAN for the work he had done on the Buna-S and on the mixing equipment which BROTHMAN had previously supplied GOLD for transmittal to the Soviet Union.

GOLD said that during this meeting at the Hotel Lincoln, that BROTHMAN was told that SAM had seen the material on Buna-S or at least knew of its existence. GOLD said that he recalled during this meeting at the Hotel Lincoln, that "SAM" made a momentary slip and called GOLD "HARRY" instead of "FRANK." GOLD said that prior to this time, BROTHMAN had not heard nor ever referred to him by any other name, except FRANK. GOLD said that later when he went to work for BROTHMAN, that GOLD asked BROTHMAN whether he knew his right name. GOLD advised that he remembered asking BROTHMAN whether the latter thought his name was HARRY GOLD or FRANK KESSLER. GOLD said that BROTHMAN told him that he thought his name was FRANK KESSLER and that GOLD had to correct him at this time.

THOMAS L. BLACK, 1929 North 6th Street, Philadelphia, Pennsylvania, whose relationship in this matter will be subsequently set forth, advised on June 20, 1950, he first became acquainted with HARRY GOLD in 1933.

BLACK, an admitted espionage agent of the 1930's, has advised that in his first contact with Amtorg and Soviet representatives, he met a Soviet agent named GAIK OVAKIMIAN. During the initial meetings with OVAKIMIAN, BLACK said it was suggested that HARRY GOLD might be able to assist in the procurement of information in which the Russians might be interested. BLACK has advised that he was then asked to prepare a report and biographical sketch on HARRY GOLD.

PH 65-4318

BLACK said that sometime in the latter part of 1934, GOLD, after indicating his willingness to assist the Soviet Union, went to New York City with him. BLACK said that GOLD then met with a PAUL PETERSEN, a contact known to BLACK as a Soviet agent. BLACK also said that GOLD had been informed of the identity of PETERSEN as a Soviet agent prior to this meeting.

Of interest, it should be noted that GOLD has advised that his introduction to Soviet espionage was made by THOMAS L. BLACK. However, GOLD has stated that his first Russian espionage superior was known to him as PAUL SMITH.

BLACK has advised that PETERSEN instructed BLACK to cease friendship with GOLD for security reasons.

Both BLACK and GOLD have advised that they did not stop seeing one another and have remained friends throughout their espionage activities.

During the interview conducted with HARRY GOLD on June 12, 1950, he advised that during conversations with BROTHMAN shortly before the time that GOLD testified before the Grand Jury, BROTHMAN made certain remarks about THOMAS L. BLACK. GOLD advised that BROTHMAN said, "What kind of a damn fool is it who brings people out to work with him in the Laboratory who are connected with this business - but not only that, but he goes and gets him jobs in Philadelphia."

GOLD said that this statement of BROTHMAN referred to TOM BLACK, who had on several occasions come up from Philadelphia to assist GOLD in the BROTHMAN Laboratory and that the expression "this business" referred to Soviet espionage. GOLD said that he had assisted in getting BLACK a connection with the CHARLES BERG COMPANY in Philadelphia. He advised that he does not recall whether the name BLACK was actually mentioned or whether the question was confined solely to the name TOM. However, he said that both he and BROTHMAN were talking about TOM BLACK.

GOLD said that BROTHMAN asked him if BLACK had ever used any other names. He also advised that BROTHMAN gave him the definite impression that he believed BLACK was the mastermind behind the whole espionage setup. GOLD said that BROTHMAN might have gotten this impression from the fact that BLACK was a very closed mouth person with respect to any other matters, except the chemical business on hand at the Laboratory. He also advised that an additional reason for BROTHMAN's suspecting BLACK was possibly GOLD's extreme and obvious attachment to BLACK as GOLD was constantly praising BLACK's ability as a chemist.

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THOMAS L. BLACK advised Special Agents WILLIAM B. WELTE, JR. and ROBERT W. HOLMES of the FBI at Phila. on June 26, 1950 that the first time he heard about ABRAHAM BROTHMAN he didn't know that was his name. He advised that he knew very little about him as an individual. BLACK said that HARRY GOLD had told him that he had a very valuable contact that he wanted to turn over to BLACK if he were drafted into the Army. BLACK also said that GOLD thought he might be drafted in early 1942, at which time this offer of turning over his contact occurred.

Before this time, HARRY GOLD, according to BLACK, had told him that this valuable contact had supplied a great deal of useful information to GOLD for transmission to the Soviet agents. BLACK also said that GOLD at one time wanted to use BLACK's apartment as a place where this information could be taken down. BLACK advised that GOLD told him this contact was not inclined to write reports and so on. BLACK said that GOLD told him this contact would provide the information, but that he would do as little actual work as possible. BLACK said that he refused to permit HARRY GOLD to use his apartment for these purposes on weekends.

THOMAS L. BLACK, later during the interview of June 26, 1950, identified the contact mentioned in the preceding paragraphs as BROTHMAN. BLACK advised that his identification of BROTHMAN as this valuable contact of GOLD was made in a rather indirect fashion. He said his identification was based on information given him by GOLD concerning this contact. BLACK said that GOLD had told him the contact had furnished valuable information on mixing equipment and had also designed equipment for the Soviets. BLACK said that after he met BROTHMAN and learned that mixing equipment was one of BROTHMAN's specialties, he made the assumption that BROTHMAN was this contact of HARRY GOLD.

However, sometime later on a Saturday afternoon, GOLD asked BLACK to accompany him to BROTHMAN's Laboratory. According to BLACK, this occurred while GOLD was still employed at the Pennsylvania Sugar Company. When BLACK met BROTHMAN, BLACK stated there wasn't any question concerning what BROTHMAN's politics were, because GOLD and BROTHMAN discussed political events from a Communist viewpoint. BLACK placed this initial meeting with BROTHMAN as in the fall of 1944 and reported that he had been at the BROTHMAN Laboratory once after that in the late fall of 1944.

BLACK said that the last visit he had with BROTHMAN was in 1947 in the offices of the BROTHMAN LABORATORIES, Long Island City. At this time, BLACK said GOLD was employed by BROTHMAN and had been very enthusiastic over the projects that the BROTHMAN Laboratories were engaged in. BLACK advised that the purpose of

PH 65-4378

this meeting with BROTHMAN was to discuss a method of preparing penicillin, in that BROTHMAN was going to design a plant for the Soviet Union. According to BLACK, BROTHMAN requested him to assist on a consulting basis in the development of this project. BLACK said that BROTHMAN pointed out it would be necessary for BLACK to go to the Soviet Union for at least a month after the plant was set up to get the process working in the proper manner. BLACK advised that he was disinterested, in that he had no desire to go to the Soviet Union at this time.

BLACK said that GOLD, prior to taking a position with the ABRAHAM BROTHMAN LABORATORIES in 1946, had requested advice of BLACK. BLACK said that GOLD pointed out that BROTHMAN had in the past furnished information through GOLD to the Soviet Union and that GOLD had been using the alias of FRANK KESSLER. BLACK said that when introduced to BROTHMAN the first time by HARRY GOLD, he was introduced as TOM WRIGHT, which name was discarded after the second or third meeting. BLACK advised that there had been no question raised by BROTHMAN concerning his use of an alias, as there could not have been much doubt of BLACK's possible espionage activities in BROTHMAN's mind, because of his association with HARRY GOLD. BLACK pointed out that GOLD used the alias KESSLER in his dealings with BROTHMAN until he actually started working for the BROTHMAN Laboratories in 1946.

BLACK also advised that following the Grand Jury investigation of BROTHMAN in 1947, the latter suspected BLACK of providing someone with information concerning BROTHMAN's activities. BLACK said that BROTHMAN believed BLACK to be "some sort of mastermind in the Soviet espionage system." BLACK said that as a result of this, BROTHMAN was afraid of BLACK and did not want any connections or have anything to do with BLACK.

- P E N D I N G -

PH File 65-4318

ADMINISTRATIVE PAGE

The items that are listed in this report under Section III, Subsection D, numbered from 1 through 15, will be delivered to the New York Office with a separate cover letter.

The New York Office will be requested to make photostatic copies of instant material for its own use, as well as to prepare copies for the Bureau.

It is suggested that the New York Office consider the advisability of submitting photostatic copies of the material contained under Section III to the Cleveland Office for exhibition to appropriate officials at B. F. GOODRICH COMPANY, Akron, Ohio, for information concerning the classified nature of the Buna-S material and to Washington Field Office.

At the time of the preparation of this report, a signed statement relative to HARRY GOLD's dealings with ABRAHAM BROTHMAN has not been completed. Upon completion of this statement, copies thereof will be submitted immediately to the Bureau and the New York Office.

PH File 65-4318

LEADS

THE PHILADELPHIA DIVISION

AT CARBONDALE, PENNSYLVANIA

Will make inquiry at Hendrick Manufacturing Company concerning a turbine engine for aircraft that ABRAHAM BROTHMAN reportedly had worked on while employed there as a consultant.

AT PHILADELPHIA, PENNSYLVANIA

Will continue to report information pertaining to ABRAHAM BROTHMAN as received from HARRY GOLD.

THE WASHINGTON FIELD DIVISION

AT WASHINGTON, DC

Will check with War Production Board or the war time agency that had control over Buna-S production.

Will determine, if possible, through a check of these records if at any time information regarding Buna-S material was classified.

Will advise New York if a set of photostats are necessary to establish classified nature of Buna-S material.

REFERENCE: Report of SA JOHN R. MURPHY, JR. dated 6/30/50 at New York.

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 17 1950

TELETYPE

Mr. Tolson	
Mr. Ladd	
Mr. Clegg	
Mr. Glavin	
Mr. Nichols	
Mr. Rosen	
Mr. Tracy	
Mr. Harbo	
Mr. Belmont	
Mr. Mohr	
Tele. Room	
Mr. Nease	
Miss Gandy	

WASHINGTON 8 PHILADELPHIA 7 FROM NEW YORK

DIRECTOR AND SAC

URGENT

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042/PWT/CS Emer

ABRAHAM BROTHMAN, WA., ESP-R. BROTHMAN INTERVIEWED THIS DATE AT NYO

TWO TWENTY TO FOUR TWENTY PM IN PRESENCE OF HIS ATTORNEY. FOWLER HAMILTON  
HAMILTON LEFT FOR APPOINTMENT AT LATTER HOUR. INTERVIEW CONTINUED

FROM FIVE FIVE TO FIVE FIFTY AFTER DEPARTURE OF HAMILTON, THEN BROTHMAN  
PERMITTED TO LEAVE TO CONDUCT URGENT BUSINESS UPON HIS PROMISE TO RETURN  
TO THE NYO AT ONE

~~SIX FIFTY~~ PM, SATURDAY, JUNE SEVENTEEN. HAMILTON ADVISED  
BROTHMAN TO ANSWER ALL QUESTIONS PUT TO HIM BY INTERVIEWING AGENTS UNTIL  
THEY WERE SATISFIED WITH HIS ACCOUNT OF HIS RELATIONSHIP WITH GOLD AND  
TO FOREGO BUSINESS AFFAIRS AS MUCH AS POSSIBLE UNTIL THAT TIME. BROTHMAN

WAS QUESTIONED CLOSELY CONCERNING HIS RELATIONSHIP WITH BENTLEY AND  
GOLOS, PARTICULARLY WITH REFERENCE TO BENTLEY-S STATEMENT THAT SHE  
OBTAINED HIS LICENSE NUMBER AND GAVE HIM DIRECTIONS AS TO THE TIME AND  
PLACE HE WAS TO PARK TO MEET GOLD. DENIES ABSOLUTELY ANY RECOLLECTION  
OF HER ACCOUNT OR OF THE ACTUAL MEETING AS DESCRIBED BY GOLD. STICKS  
UNEQUIVOCALLY TO ACCOUNT GIVEN TO AGENTS AT TIME OF INTERVIEW IN NINETEEN  
FORTY SEVEN AND IN PRESENT INVESTIGATION. CONTINUES TO DENY MEMBERSHIP

END PAGE ONE

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PAGE TWO

IN CP. ADVISES THAT HE RECALLS TALKING OVER HIS INTERVIEW BY AGENTS IN NINETEEN FORTY SEVEN WITH GOLD IN ABA OFFICES BEFORE THE LATTER WAS INTERVIEWED BUT DENIES THAT HE INSTRUCTED GOLD AS TO STORY TO BE GIVEN THEN OR LATER. DENIES ALSO MEETING WITH GOLD AND SEMENOV IN LINCOLN HOTEL IN NY IN NINETEEN FORTY TWO OR NINETEEN FORTY THREE AS DESCRIBED BY GOLD. BROTHMAN DESCRIBES ONE MEETING WITH GOLD IN ROOM, HOTEL NEW YORKER, IN NINETEEN FORTY TWO-NINETEEN FORTY SIX PERIOD, IS EVASIVE ON THIS MEETING. BROTHMAN CONCEDED IT WAS NOT CUSTOMARY FOR GOLD TO STAY IN A HOTEL, WHILE IN NYC. ALSO RECALLS ONE TIME HE SAW GOLD IN ROOM AT HOTEL COMMODORE, NYC. ADVISES THAT ALL WORK DONE BY HIM WAS "COMMERCIAL CHEMISTRY" AND NEVER IN ANY WAY SECRET OR CLASSIFIED OR OF ANY VALUE TO A HOSTILE POWER. FAILED TO IDENTIFY PHOTOS OF OVAKIMIAN AND SEMENOV. ADVISES THAT HIS WORK ON MAGNESIUM WAS FOR THE AUSTRALIAN GOVT AND AT REQUEST OF GOLWYNNE OF CHEMURGY, AND WAS TO PERFECT A NOZZLE TO SPRAY MOLTEN MAGNESIUM. SAYS THE DEVICE WAS NOT SECRET, OR CLASSIFIED. RECALLS THAT HE DISCUSSED IT WITH GOLD BUT NOT THAT HE GAVE GOLD A COPY. ADVISES THAT COPIES WERE IN HIS OFFICE AND AVAILABLE TO GOLD. INTERVIEW WILL BE CONTINUED ON JUNE SEVENTEEN AND BUREAU ADVISED. MIRIAM MOSKOWITZ INTERVIEWED AT OFFICES ABA, LIC, FOUR TO FIVE TEN PM. MOSKOWITZ DENIED KNOWLEDGE ANY DETAILS OF ANY

END PAGE TWO

PAGE THREE

ESPIONAGE ACTIVITY ON PART OF GOLD AND BROTHMAN AND DENIED KNOWING ANY DETAILS OF OR NATURE OF GJ INTERROGATION OF BROTHMAN AND GOLD OTHER THAN THAT IT HAD TO DO WITH "SPY STUFF". STATES NEITHER BROTHMAN NOR GOLD, TO DATE, HAVE EVER TOLD HER ANYTHING RELATING TO ESPIONAGE ACTIVITY. MOSKOWITZ CLAIMED NO RECOLLECTION OF DETAILS OF DAY AGENTS QUESTIONED BROTHMAN AND GOLD OTHER THAN FACT THAT BROTHMAN FIRST INTERVIEWED AND LATER, EITHER BEFORE OR AFTER MOSKOWITZ GOT TO LABORATORY THAT DAY, AGENTS WERE AT THE LAB QUESTIONING GOLD. NO RECOLLECTION OF DETAILS OF THAT DAY AS RELATED BY GOLD IN PHILA TEL JUNE THIRTEEN LAST. MOSKOWITZ DID NOT BELIEVE GOLD WAS MEMBER OF CP AND SAID NONE OF FORMER LABORATORY EMPLOYEES WERE TO HER KNOWLEDGE. STATED THAT SHE WAS NOT AND HAS NEVER BEEN CP MEMBER HERSELF. MOSKOWITZ CONSISTENTLY TALKED IN GENERALITIES AND WAS EVASIVE IN ANSWERS.

SCHED

CORR....LINE 6 PAGE 1 SHLD READ AS FOLLOWS...

"TO THE NYO AT ONE PM, SATURDAY, JUNE SEVENTEEN. HAMILTON ADVISED"

PH ACK AND DIS PLS WA HLD

PH NYC R 1-7 PH

cc Mr Belmon  
Mr Lough

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 28 1950

TELETYPE

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042/pwt/clb

WASHINGTON FROM NEW YORK 43

23 1040 P

DIRECTOR URGENT

ABRAHAM BROTHMAN, ESP - R. CARD FOUND IN POSSESSION OF HARRY GOLD BEARING NOTATION, "HIS CAR, DARK GRAY PONTIAC SEDAN, TWO N NINE ZERO EIGHT EIGHT. ABE..GIVE REGARDS FROM HELEN AND ASK HIM ABOUT HIS WIFE NAOMI AND HIS BABY GIRL". GOLD ADVISED THIS CARD CONTAINED DIRECTIONS FOR HIS FIRST MEETING WITH BROTHMAN IN NINETEEN FORTY ONE. MOTOR VEHICLE RECORDS OF NY PERTAINING TO NINETEEN FORTY ONE HAVE BEEN DESTROYED. ALBANY REQUESTED TO CHECK RECORDS OF SUSPENSION AND REVOCATION DIVISION OF STATE MOTOR VEHICLE RECORDS FOR POSSIBLE ACCIDENT OF BROTHMAN IN NINETEEN FORTY ONE WHICH WOULD REVOKE HIS LICENSE NUMBER, ALSO ANY OTHER SOURCES WITH MIGHT VERIFY ABOVE LICENSE NUMBER AS BROTHMAN-S IN NINETEEN FORTY ONE.

ALBANY ADVISED

ACK AND HLD

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JUL 2 1950  
FBI

54 JUL 11 1950 43 WA CW

cc. Mr. Lamphere

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUL 1 1950

TELETYPE

VWAGA

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

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WASHINGTON 2 FROM PHILADELPHIA

DIRECTOR U R G E N T

ABRAHAM BROTHMAN ESP- R. REBUTEL TEN TWELVE PM , THIRTEEN INSTANT.  
REASON FOR NOT SUBMITTING INSTANT STATEMENTS TO GOLD FOR SIGNATURE  
WITHOUT CLEARANCE FOR BUREAU BASED ON PREVIOUS ADVISE TO BUREAU THAT  
THIS PROCEDURE WOULD BE FOLLOWED PREDICATED UPON PREVIOUS REQUEST  
OF GOLDS ATTORNEY, JOHN D. M. HAMILTON, THAT STATEMENTS CONTAINING  
ANYTHING RELATING TO MOTIVE OR INTENT BE SHOWN TO HIM BEFORE PRESENT-  
ATION TO GOLD FOR SIGNATURE. WORDING QUOTE, SUBMITTED TO BUREAU,  
END QUOTE, USED IN MYTEL OF TWENTYNINTH INSTANT INADVISABLY USED SHOULD  
HAVE READ CLEARED WITH BUREAU

CORNELIUS

END ACK PLS

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JUL 1 7 1950

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*Handwritten signatures and initials:*  
P. J. ...  
Em ...

*Handwritten:* Mr. Langhere  
100-365040-108

*Handwritten:* something with  
Phil ...

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUL - 1 1950

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HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042 PWT/cl

WASHINGTON 1 FROM NEW YORK

12-22 A

DIRECTOR URGENT

ABRAHAM BROTHMAN, WAS., ESP-R. REPORT TRANSMITTED JUNE THIRTY

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HLD PLS

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JUL 7 1950

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

*Handwritten signatures and initials:*  
Lamphere  
Emmett  
cl

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 19 1950

TELETYPE

WASHINGTON 27 PHILADELPHIA 4 FROM NEW YORK 19

DIRECTOR AND SAC

URGENT

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042 fwt/cl

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

ABRAHAM BROTHMAN, ESPIONAGE, R. CALL TO BROTHMAN-S OFFICE THIS AM  
ANSWERED BY MIRIAM MOSKOWITZ WHO ADVISED THAT BROTHMAN WAS UNAVAILABLE.  
ADVISED THAT SHE AND BROTHMAN INTENDED TO CONFER WITH ATTORNEY FOWLER  
HAMILTON AGAIN CONCERNING ADVISABILITY OF SUBMISSION TO FURTHER  
QUESTIONING

BY BROTHMAN. STATED SHE WOULD ADVISE NYO OF DECISION. HAMILTON KNOWN  
TO BE IN WASHINGTON, DC UNTIL WEDNESDAY AND UNAVAILABLE FOR CONTACT BY  
THEM. NO FURTHER WORD RECEIVED FROM MOSKOWITZ. REVIEW OF BROTHMAN-S  
TESTIMONY BEFORE GRAND JURY REFLECTS THAT BROTHMAN TESTIFIED THAT HIS  
FIRST SUSPICION ~~THAT~~ JACOB GOLOS WAS A SPY WAS AT TIME OF HIS INTER-  
VIEW BY AGENTS IN FORTY SEVEN AND BASED ON THE FACT THAT AGENTS INQUIRED  
ABOUT GOLOS. PHILA REQUESTED TO INTERVIEW GOLD TO DETERMINE EXTENT OF  
TESTIMONY WHICH HE CAN GIVE TO REFUTE ABOVE TESTIMONY OF BROTHMAN. IN  
EVENT THAT BROTHMAN FAILS TO EXPLAIN SATISFACTORILY THE INCONSISTENCIES  
BROUGHT OUT TO DATE, AN INTENSIVE INVESTIGATION IS CONTEMPLATED WHICH  
WILL INVOLVE INTERVIEWS WITH HIS ASSOCIATES AND BUSINESS CONTACTS IN AN  
ATTEMPT TO DEVELOP EVIDENCE TO SUPPORT CHARGES OF ESPIONAGE AND / OR  
PERJURY AGAINST BROTHMAN.

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PH NY R 4 PH MML

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SCHEIDT

INDEXED

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JUL 7 1950  
cc: Mr. Lamphier

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 24 1950

TELETYPE

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

WASH 5 AND NEW YORK 4 FROM PHILA 24 5.18 PM

DIRECTOR AND SAC URGENT

ABRAHAM BROTHMAN, ESPIONAGE-R. INTERVIEW OF GOLD CONTINUED TODAY AND CONSISTED OF GOLD-S IDENTIFYING MATERIAL FOUND AT HIS RESIDENCE.

MATERIAL RELATIVE TO BROTHMAN AND DEEMED PERTINENT IS IDENTIFIED AS FOLLOWS-- MINGLED TOGETHER WITH OTHER PAPERS FOUND IN A WOODEN BOX IN GOLD-S BASEMENT WERE THE FOLLOWING SEPARATE ITEMS.. NUMBER ONE --

(1) AN ELEVEN PAGE ARTICLE ON LEGAL SIZE YELLOW PAPER WHICH WAS CONCERNED WITH MIXING EQUIPMENT AND WAS IN GOLD-S HANDWRITING. GOLD SAID THIS WAS GIVEN TO HIM BY BROTHMAN PROBABLY AROUND JULY OF FORTYTWO FOR SUBMISSION TO THE SOVIETS. GOLD SAID THIS WAS PROBABLY WRITTEN ON BROTHMAN-S DICTATION ON A SUNDAY MORNING IN THE OFFICES OF CHEMURGY. GOLD STATED THIS INFO FRAGMENTARY AND WAS SUPPLANTED BY A COMPLETE REPORT ON MIXING DATA SUBMITTED BY BROTHMAN. NUMBER TWO -- A SINGLE PAGE OF INFO PERTAINING TO MAGNESIUM POWDER IN BROTHMAN-S HANDWRITING WHICH GOLD STATED WAS GIVEN TO HIM BY BROTHMAN SOMETIME IN FORTYTHREE FOR SUBMISSION TO SOVIETS. INFO NOT PASSED ON TO SAM BECAUSE OF ITS FRAGMENTARY NATURE. NUMBER THREE -- A SINGLE PAGE ENTITLED, QUOTE NOTES ON COMPUTATIONS, UNQUOTE, CONTAINING INFO IN GOLD-S HANDWRITING ON MAGNESIUM POWDER, AND WHICH HE STATES SHOULD GO WITH NUMBER TWO ABOVE. THIS INFO OBTAINED BY GOLD FROM BROTHMAN VERBALLY FOR SUBMISSION TO SOVIETS. NUMBER FOUR -- FOUR PAGES OF HANDWRITTEN NOTES IN GOLD-S HANDWRITING PERTAINING TO BUNA-S, AND WHICH GOLD STATES WERE SUPPLEMENTS TO A REPORT BROTHMAN HAD PREVIOUSLY GIVEN GOLD.

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END OF PG ONE

RECORDED ORIGINAL-REMAN

253 MAR 4 1951

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HEREIN IS UNCLASSIFIED  
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PAGE TWO

GOLD STATES THIS WAS GIVEN TO HIM VERBALLY BY BROTHMAN FOR TRANSMISSION TO SOVIETS ABOUT FEB., FORTYTWO. NUMBER <sup>(5)</sup> FIVE -- ONE PAGE OF TYPE-WRITING WITH GOLD-S HANDWRITTEN NOTATIONS, AND WHICH REFERS TO MIXING EQUIPMENT. GOLD STATES THIS WAS PROBABLY TYPED AT CHEMURGY AND WAS GIVEN TO HIM BY BROTHMAN BUT WAS NOT GIVEN TO SAM BECAUSE IT WAS FRAGMENTARY. IN ANOTHER FOLDER LABELLED, 'QUOTE, A.S.M.E. SPECIFICATIONS, UNQUOTE, WERE THREE TYPEWRITTEN PAGES PERTAINING TO INFO ON MIXING MATERIAL. GOLD STATED THIS WAS GIVEN TO HIM BY BROTHMAN FOR DELIVERY TO SOVIETS DURING LATTER PART OF FORTYTWO. IN ANOTHER FOLDER THERE WAS FOUND SOME OF GOLD-S HANDWRITTEN NOTES WHICH PERTAINED TO OPERATING DATA ON A MAGNESIUM POWDER PLANT. GOLD STATED THIS WAS GIVEN TO HIM VERBALLY BY BROTHMAN FOR SUBMISSION TO SOVIETS ABOUT SPRING OF FORTYTHREE. REMAINDER OF MATERIAL IN GOLD-S POSSESSION WILL BE SHOWN TO HIM TOMORROW AND ANY DOCUMENTS PERTAINING TO HIS ESPIONAGE ACTIVITY WITH BROTHMAN WILL BE SENT TO THE NYO FOR USE IN QUESTIONING BROTHMAN.

CORNELIUS

HOLD

cc: Mr. Belmont  
Mr. Lampine



July 5, 1950

~~CONFIDENTIAL~~

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ON 4.1.87

The initial information concerning Abraham Brothman as indicated in the aforementioned report of February 21, 1946, was received from Elizabeth Terrill Bentley as appearing in her signed statement executed on November 30, 1945, wherein she made disclosures as to espionage activities in Washington, D. C., and New York City, New York. In this statement Miss Bentley advised that in approximately May, 1940, Jacob Golos, a known Soviet agent, introduced her to Abe Brothman, who at the time resided in Nassau County, New York, and was employed as an engineer in the Republic Steel Company, New York City. (It is to be noted that Bentley's reference to the Republic Steel Company was undoubtedly in error, as Brothman's employer at the time Bentley met him was the Republic Chemical Machinery Company.) After meeting Brothman, pursuant to Golos' instructions, she would receive various blueprints from Brothman and thereafter deliver them to Golos. It was indicated that she met with Brothman on approximately ten occasions between May and the Fall of 1940. During this period, according to her information, on some occasions Golos would meet Brothman and obtain the blueprints directly from him but whenever these appointments could not be handled personally by Golos she would meet with Brothman and secure the blueprints.

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Sometime during these meetings she learned either from Brothman or from Golos that these blueprints pertained to commercial bottles which she understood to be some kind of commercial vat. She mentioned that during the Fall of 1940 Golos advised her that he was becoming somewhat disgusted in his dealings with Brothman and he indicated that he was going to turn Brothman over to someone else. She claimed that she did not learn from Golos or anyone else to whom Brothman was directed.

It might be noted that Elizabeth Terrill Bentley identified a photograph of Abraham Brothman which appeared in the 1933 yearbook of Columbia University as the photograph of the person whom she met on several occasions in 1940 under the name Abraham Brothman and who furnished her blueprints for Jacob Golos. (100-365040-1)

On May 22, 1950, Elizabeth Terrill Bentley was again interviewed concerning Abraham Brothman and she stated that she now recalls that Jacob Golos indicated to her in the Fall of 1940 that it was necessary on orders from his superiors that he turn Brothman over to a "Russian contact." She further advised that Golos' principal had indicated that neither Golos nor herself knew anything of the technical aspect of the material that Brothman was handing over, in view of which fact and in order to expedite matters this material would thereafter be taken up by someone with technical background. She mentioned that subsequently Golos instructed her to tell Brothman that he was to be turned over to a new contact which she subsequently did but when Brothman did not appear agreeable to this it was necessary for Golos to personally see him at a later date regarding his being turned over to this new contact. According to Bentley, the switch of Brothman's contact was effected by her obtaining Brothman's automobile license number and furnishing him with instructions to park his car and remain in it on 8th or 9th Avenue in uptown Manhattan where the new contact would get into the car, talk to Brothman and accept any material he had. She was later advised by Brothman that he had lost touch with his new contact, which information was related to Golos and she stated she heard nothing more about it. (100-365040-58)

Abraham Brothman was interviewed at his office on May 29, 1947, at which time he identified the photograph of Elizabeth Terrill Bentley as "Helen" and subsequently identified the photograph of Jacob Golos as "John." Brothman stated that Golos, whom he knew only under the name "John," originally came to his office in 1938 or 1939, claimed he had contacts with the Russian Government and was in the position to get contracts for Brothman and requested blueprints of certain products on which Brothman was then working. As a result of this contact Brothman

stated he turned over various blueprints to Golos, all of which blueprints he claimed as his own property. He admitted that Golos thereafter introduced him to Elisabeth Bentley as "Helen" and she thereafter met with him on 10 or 12 occasions between 1938 and 1940 and he turned over various blueprints to her for delivery to Golos. According to Brothman, in 1940 one Harry Gold came to his office as a representative of Golos and thereafter picked up the blueprints from him for Golos from that date until late 1941 or early 1942. Brothman executed a signed statement embodying the above information. During the interview he denied any connection with the Communist Party. (Ibid serial 3)

Harry Gold was thereafter interviewed on the same date in the laboratory of Abraham Brothman and Associates, at which time he furnished a signed statement indicating that he was introduced to one Jacob Golos, whose photograph he identified at the time of the interview, by Carter Huddless of Pennsylvania Sugar Company, with which company he was then associated. He mentioned that this introduction took place around October, 1940, and on the same day he was propositioned by Golos to pick up certain blueprints from Abraham Brothman in New York City and evaluate same on a chemical basis. He stated that no financial agreement was entered into at the time of this meeting. Pursuant to this proposition he stated he, after making an appointment with Brothman in November, 1940, met Brothman at a downtown New York restaurant, at which time certain blueprints were turned over to him. He advised that he continued to see Brothman once every three weeks during the next six months. He stated that he never saw Golos again after the date of his original proposition but received a number of telephone calls from him prior to May, 1941. He also denied the receipt of any money or other remuneration from Golos but indicated that he defrayed all of his own expenses. (Ibid serial 3)

It might be noted here that Abraham Brothman testified before a Federal Grand Jury in New York City on July 22, 1947, and Harry Gold before the same Grand Jury on July 31, 1947. The testimony of Brothman and Gold before this Grand Jury was substantially the same as appears in their signed statements and previously mentioned in this memorandum. Additional details relative to the testimony of Brothman and Gold will be set forth hereinafter in this memorandum.

Harry Gold upon further interview relative to his relations with Abraham Brothman and subsequent to the time that he made his confession concerning espionage activities on May 22, 1950, admitted that he had

never actually known Jacob Golos as he had previously indicated to Agents and before the Grand Jury. He advised that his Soviet contact that sent him to Brothman was actually one "Sam" whom he identified as Semen Markovich Semenov, an official of the Amtorg Trading Corporation. He mentioned that he met "Sam" under similar circumstances to those previously described as to his meeting of Golos. According to Gold, after making three unsuccessful attempts to meet Abraham Brothman in New York City he received specific instructions as to the meeting through "Sam," which instructions appeared on a card found in his possession. He stated that on a Monday (believed to be Monday, September 29, 1941) at 10:00 P.M. he went to a place on the north side of 27th Street between 6th and 7th Avenues, New York City, where he entered a dark gray Pontiac sedan bearing New York license 2W9068 and met Abraham Brothman. Upon entering this car his password to Brothman was to give him the regards from Helen and to inquire about Brothman's wife, Naomi, and his baby girl. Gold mentioned that on this occasion they drove around a short while in Brothman's automobile and then stopped at Bickford's Restaurant on 6th Avenue somewhere between 34th and 42nd Street. (Ibid, Phila teletypes 6/6,12,15,16)

Gold advised that to the best of his knowledge Jacob Golos was Brothman's first contact with the Soviets. Elizabeth Bentley was his second and he (Gold) his third. At his first meeting with Brothman in 1941 Brothman mentioned "Helen" as the woman to whom he previously furnished information and that a man who worked for Amtorg Trading Corporation preceded "Helen" by several years. According to Gold's information from Brothman, this man at Amtorg was an American and was later displaced by a Russian. Gold was unable to state in what manner Brothman met Jacob Golos or when the latter last saw Brothman. During his meetings with Brothman he was advised that Brothman had previously supplied information to Golos with reference to a turbine engine for aircraft on which he (Brothman) had been working while associated with the Hendrick Manufacturing Company. He mentioned that Brothman advised him he had gotten along all right with Golos but not so well with "Helen" and that he was glad to see Gold so that he could again start funneling information to the Soviet Union, which was the only country conducting a true fight against Fascism. (Ibid, Phila tels 6/4,12,20)

According to Gold, Brothman furnished him information for transmittal to the Soviets in March, 1942, relative to the process known as "Buna-S" on which Brothman was working while associated with the Hendrick Manufacturing Company. It was explained that this "Buna-S"

process was a continuous process for the manufacture of synthetic rubber. With respect to his obtaining this information, Gold advised that he had rented a room at the Hotel New Yorker and Brothman appeared at this room one evening with his portable typewriter and the details of the information on the "Buna-S" process, that they worked until 6:00 A.M. with Gold checking the material while Brothman did the typing. Later on the same day Brothman returned with more material and what amounted to the complete report on "Buna-S." Gold advised that about two or three weeks after he turned over the information on the "Buna-S" process to "Sam" he relayed to Brothman the report from his superiors that the information was very valuable, well received by the engineers of the Soviet Union because of his completeness, and would be put to use immediately. He stated that although Brothman was the author of this process it actually belonged to the Hendrick Manufacturing Company and the Standard Oil Company. (Ibid, Phila tels 6/4,16,18,20)

At the time of the arrest of Harry Gold and subsequent thereto under a voluntary consent to search executed by Gold the following miscellaneous documents, blueprints and other material were obtained from Gold's residence. This material was thereafter exhibited to Gold, and identified by him as having been obtained from Brothman for submission to the Soviets. He indicated, however, that the majority of these documents were actually not turned over to his Soviet contact by reason of the fact that same were too fragmentary and in a number of instances were subsequently superseded by a complete report on the same matter which was actually delivered to Gold's Soviet contact.

1. Handwritten three-page rough draft report entitled "Design Report Covering Drawing H-129." (This report indicated as pertaining to baffle plates to inhibit swirling for use in mixing equipment.) (65-59183, Phila. tel 6-11)
2. Longhand report entitled "Magnesium Powder Plant." (Ibid Phila. tel 6-12-50)
3. Twenty-three page typewritten article entitled "An Approach to the Problem of Continuous Reactor and Combining Equipment Design." (Pertaining to the highest efficiency continuous mixing vessel.)
4. Set of blueprints prepared by Chemurgy Design Company pertaining to the diagrammatic floor sheets and assembly details



for the Refert Chemical Company Degreasing Plant, which was engaged in manufacturing nickel catalyst, on which project both Gold and Brothman had worked.

5. Blueprints of drawings prepared by Oscar J. Yago, a partner of Brothman, pertaining to the aerosol matter (MDT dispenser). (Ibid, Phila. tel 6/21/50)
6. Five typewritten pages entitled "Thermal Diffusion A Prospectus" (A process for recovering vital chemicals discharged from industrial plant flues). (65-57449-Phila tel 5-20-50)
7. Blueprints dated February 8, 1942, prepared by the Hendrick Manufacturing Company for B. F. Goodrich Company pertaining to the Butadiene and Styrene Recovery System in the "Buna-S" process.
8. Blueprint dated January 4, 1941, prepared by the Hendrick Manufacturing Company for the Dewey and Almy Chemical Company, Cambridge, Massachusetts, which constituted a flow sheet for the entire "Buna-S" process.
9. A blueprint reflecting a revised drawing pertaining to the aforementioned flow sheet mentioned under number 8.
10. Blueprint dated February 8, 1942, prepared by Hendrick Manufacturing Company for B. F. Goodrich Company pertaining to a layout study for the Butadiene and Styrene Recovery System previously mentioned under number 7.
11. Blueprints pertaining to a 1,000 gallon water cooled resin kettle designed by the Hendrick Manufacturing Company for the Synder Corporation of Wilmington, Delaware.
12. Blueprint dated October 13, 1941, prepared by the Hendrick Manufacturing Company for the Barrett Company, Philadelphia, Pennsylvania, for a 150 gallon esterifier.
13. Miscellaneous reports on mixing equipment.
14. Lengthy handwritten report on "Buna-S" process in Brothman's handwriting. (Ibid, Phila. tel 6/22/50)
15. Eleven page article on mixing equipment.

16. Single page of information pertaining to magnesium powder in Brothman's handwriting.

17. Single page entitled "Quote notes on Consultations" (pertaining to magnesium powder).

18. Four pages of handwritten notes pertaining to "Buns-S."

19. One page, typewritten, with Gold's handwritten notes pertaining to mixing equipment.

20. Folder labeled "A.S.M.E. Specifications" containing three typewritten pages relative to information on mixing material.

21. Handwritten notes on operating data for magnesium powder plant. (Ibid, Phila tel 6-24-50)

It might be noted that appropriate inquiry is being made to determine whether any of the above material might be considered as classified or restricted material as coming within the purview of the Espionage Statute.

Gold advised that between November, 1942, and January, 1943, he was experiencing considerable trouble in getting Brothman to produce material for submission to the Soviets and to show up at the prearranged meetings. As a result thereof his Soviet contact, "Sam," suggested that it might be a good idea for him personally to give Brothman a pep talk. As a result thereof Gold stated he arranged for a meeting at the Hotel Lincoln in New York City in a room which he rented for this occasion. He advised that Brothman, "Sam," and himself were in attendance at this meeting. During the meeting "Sam" praised Brothman's work and elaborated upon the wonderful work that he could do for the Soviet Union. In the conversation "Sam" attempted to persuade Brothman to associate himself with some large firm so that he might be able to obtain material of more value to the Soviets. Gold stated that the purpose of this meeting was to get Brothman to do further work on synthetic rubber and to build up his ego and desire to do more work for the Soviet Union by having him meet "Sam" who was introduced to him as an important official of the Soviet Union. (Ibid, Phila tel 6/6, 18, 24)

With respect to his statement to the FBI and his testimony before the Federal Grand Jury in 1947 relative to Jacob Golos, Gold advised at the time of his interview on June 12, 1950, that he never

actually knew Golos nor had Brothman ever mentioned this individual to him until after Brothman's interview by the FBI. On that date upon Gold's arrival at Brothman's office he was advised by Brothman that the FBI knew everything, that they knew he (Gold) was a courier and that they did not have much time. According to Gold, Brothman told him that he must tell the same story about how they met through "John." He explained to Gold on this occasion that this "John" was the link before "Helen" and he furnished a description of the man, indicating his name was spelled something like Gollush. Gold further advised that Brothman advised him he had to make up a story right away as to how he met this man (Golos) and cautioned Gold to be sure to say that "John" introduced him to Brothman. He was informed by Brothman that the FBI was on the way out to the laboratory to question him and that Gold should be sure not to mention to them about their conversation as he had promised he would not talk to Gold before the FBI had an opportunity to interrogate him. According to Gold, Brothman stated to him, "You've got to cover me up and tell the same story I told you." Gold advised that when he was interviewed by the FBI later that day he furnished them the story as suggested by Brothman concerning Golos and subsequently testified along the same lines before the Federal Grand Jury.

Gold also mentioned that upon receipt of his subpoena to appear before the Federal Grand Jury on July 31, 1947, Brothman told him not to be worried as they would go over the story together and if he told the same story as he (Brothman) did everything would be okay. He indicated that on the morning of the day he testified before the Grand Jury he and Brothman walked the streets in the neighborhood of Brothman's home from 3:30 to 5:30 A.M. discussing the story about how Gold met Golos in order to get their stories straight as to how he and Brothman originally met. Brothman also told him on this occasion that he must stick by the story that Golos had sent him to Brothman. Gold advised that after testifying before the Grand Jury he related the substance of his testimony to Brothman's attorney "Tom" (LNU) and later to Brothman himself. (Ibid, Phila. tels 6/12,13)

Gold was questioned as to Brothman's knowledge of the espionage activities on the part of Gold, at which time he stated that in his opinion Brothman definitely knew him to be a Soviet agent and further knew that Gold had succeeded Elisabeth Bentley as his contact with the Soviets. He was also of the opinion that Brothman knew Jacob Golos was a Soviet agent as on one occasion when he discussed the matter of his activities as an agent Brothman made inquiry of him, "How is John?" Gold stated that he did



not know at the time that Brothman was referring to Jacob Golos when he made inquiry concerning "John." In explanation of his opinion that Brothman knew him to be a Soviet agent he stated that on one occasion while talking to Brothman he mentioned that he had a contact relative to atomic energy. Subsequently upon specific inquiry from Brothman he advised the latter that his contact for this information was an Englishman named Dr. Klaus Fuchs, whom Brothman indicated he knew through reading his articles in scientific publications. On another occasion he recalled that he informed Brothman concerning a contact he had with a man at Wright Field, Ohio, who after receiving money failed to produce the information desired of him. Gold stated that during a discussion with Brothman around the time of their interviews by the FBI he mentioned to Brothman his concern about his having taken railroad and airplane trips and while he did not indicate the purpose of these trips he felt certain that they both understood same were in connection with his espionage activities. (Ibid, Phila. tels 6/13 & 20)

Gold advised that on three or four occasions he gave sums of money to Brothman not exceeding \$50 at any one time. He pointed out that this money came from his own pocket and was given to Brothman in order to reimburse him for the expenses he incurred in making blueprints of the material which was being turned over to Gold for submission to the Soviets. (Ibid Phila. tel 6-16-50)

With respect to Brothman's connections with Amtorg Trading Corporation Gold advised that through a conversation with Brothman he learned that at one time the latter had a contact at Amtorg, possibly a clerk, which individual was subsequently discharged at Amtorg. He stated that this contact was sometime in the late 1930s and Gold expressed the belief that Brothman's association with this man may have had something to do with his first association with the Soviets. He also indicated that in 1946 he and Brothman had a legitimate association with an individual named Tverianovich at Amtorg Trading Corporation, the purpose of same being with regard to the possibility of their constructing a synthetic vitamin plant in Russia. (Ibid, Phila. tels 6-12 and 20)

Abraham Brothman upon reinterview on May 16, 1950, again made similar statements as previously given to the effect that he met Harry Gold through Jacob Golos. He specifically pointed out that in 1940 he advised Golos that he needed a laboratory to perform experiments, as a result of which he was subsequently contacted by Harry Gold, to whom he thereafter gave certain experiments to perform for him from 1940 to 1946. (Ibid, Serial 16)

Upon reinterview Brothman, on June 17, 1950, in the presence of his attorney, Fowler Hamilton, who had previously advised Brothman to answer all questions put to him as to his relationship with Gold, absolutely denied any recollection of the information furnished to him by Elizabeth Bentley relative to his first meeting with Gold or of the details of the actual meeting at the place described by Gold. He reiterated his account of the meeting with Gold as given to the FBI at the time of his interview in 1947. During this interview Brothman, however, admitted that he had discussed his questioning by the FBI with Gold prior to the time that Gold was interviewed by the FBI. He denied, however, that he had ever met with Gold and Semenov at the Lincoln Hotel in New York City in 1942 or 1943. He admitted having had one meeting with Gold in a room at the Hotel New Yorker during the period 1942 to 1946 but was very evasive with regard to this matter. Brothman stated that all of the work performed by him was considered as "commercial chemistry" and was never in any way considered as secret, classified or of any value to a hostile power.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

b3  
FRCP  
RULE  
(b)(6)

In questioning Gold concerning this matter he advised that he was almost certain Brothman was a member of the Communist Party in Bronx, New York, in 1938 and recalled that on one occasion Brothman informed him that

he had been beaten up by the National Guard during the 1930s when he (Brothman) was participating in distributing literature in front of a National Guard Armory. He further mentioned that from his conversation with Brothman he learned that Brothman was in accord with the Communist Party policy in ousting Earl Browder and the manner in which the Communist Party was being run. He stated that on frequent occasions Brothman would engage in long-winded Communist type dissertations. (Ibid Phila. tel 6/12/50)

It might also be noted that at the time of the interview of Rolf Sidney Wollan, a former employee of Abraham Brothman in 1945, Wollan made the statement that almost all of the employees of the Brothman Company were Communists and he expressed the opinion that one would have to be a Communist in order to be associated with Brothman. Wollan indicated that his brother, Gerhart Wollan, who was in charge of Brothman's Laboratory, was definitely a Communist during the late 1930s and up until 1945 when he discontinued attendance at Communist Party meetings due to his disagreement with the Party policy in ousting Browder. Further, that as a result of his disagreement with the Party policy in ousting Browder he became at odds with Abraham Brothman and his associates. (Ibid, Minneapolis report 6/1/50)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

b3 FRCP RULE (W/E)

In respect to these answers by Brothman it might be noted as previously mentioned in this memorandum that Harry Gold stated that in his opinion Brothman definitely knew he, Gold, was a Soviet agent and that he had succeeded Elizabeth Bentley in such activities and that "John," by which name Jacob Golos was known to Brothman, was the link before "Helen."

[REDACTED]

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XXXXXXFEDERAL BUREAU OF INVESTIGATION  
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1 Page(s) withheld entirely at this location in the file. One or more of the following statements, where indicated, explain this deletion.

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b3 FRCP RULE (6)(e)

In respect to Brothman's statement that after he met Gold he never saw "Helen" again it might be noted that Elizabeth Bentley upon interview advised that subsequent to the time that Brothman had been turned over to Gold she was advised by Brothman that he had lost contact with the new man and she so informed Golos. With respect to his statements concerning Gold being suspicious of Golos and Bentley as was previously set forth in this memorandum Gold positively stated he never knew or had any contact or dealing with Golos or Bentley. Gold's statement in this respect is corroborated by Elizabeth Bentley in that she stated that she did not know the new contact to whom Brothman was being directed and has denied that she ever met or had any conversation with Harry Gold.

[REDACTED]

[REDACTED]

[REDACTED]

b3 FRCP  
RULE (6)(e)

In respect to this latter answer the previous statements of Gold and Bentley as to their having no knowledge of one another might also be considered. Likewise, Gold's statement that after his meeting with Brothman he on a number of occasions continued his contact with Brothman for the purpose of obtaining information for submission to the Soviets appears in contradiction to Brothman's statement to the Grand Jury, "From then on he (Gold) served us to do special experimental work."

[REDACTED]

b3 FRCP  
RULE (6)(e)

It might be noted that this testimony of Gold is in absolute contradiction of Gold's subsequent statement to Bureau Agents to the effect that he never knew Golds, and that the arrangements whereby he met Brothman were effected through his Soviet contact "Sam." Further, according to Gold's Grand Jury testimony, as set forth previously in this memorandum, the statement that he met Brothman through Golds was given specifically at the request of and pursuant to the suggestion of Abraham Brothman.

It is requested that you advise whether the facts as set forth in this memorandum might be considered as sufficient to warrant instituting prosecutive action against Abraham Brothman either under the Perjury, Subornation of Perjury or Espionage Statutes. In this connection it might be noted that the Statute of Limitations as to the Perjury and Subornation of Perjury violations will bar prosecution as of July 22, 1950, and July 31, 1950, respectively.

It is also requested that you consider the advisability of recalling Abraham Brothman before a new Grand Jury in order that he might be further questioned in connection with this matter. In the event such procedure is considered advisable it is suggested that you might likewise desire to examine before this Grand Jury, Arthur Phineas Weber, a former partner of Brothman, and Miriam Moskowitz, his present partner, both of whom, according to statements by Harry Gold, are believed to be in possession of information as to the nature of the activities of Gold and Brothman.

cc - Assistant Attorney General James H. McInerney  
Criminal Division



FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 18 1950

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WASHINGTON AND WASH FIELD 2 NEW YORK 2 PHILA 2 FROM NK 18

DIRECTOR AND SACS DEFERRED

ABRAHAM BROTHMAN, ESPIONAGE DASH R. REPHILATELS JUNE SEVENTEEN

JEAN NIEMASECK, NEE ZAWYRUCKA, ONE FIFTY ELLERY AVE., NEWARK, N.

INTERVIEWED THIS DATE AND ADVISED AS FOLLOWS---SHE FIRST MET THOMAS

BLACK THROUGH HER FATHER, WILLIAM ZAWYRUCKA, WHEN BOTH LATTER WERE

EMPLOYED NOPCO CHEMICAL, HARRISON, NJ. ABOUT NINETEEN FORTY TWO.

SUBSEQUENTLY, BLACK ARRANGED FOR HER TO DO SOME STENOGRAPHIC WORK FOR

HARRY GOLD COMMENCING SOMETIME IN FORTY TWO, AND THAT GOLD WAS TO CON-

TACT HER BY PHONE TO MAKE ARRANGEMENTS FOR HER TO MEET HIM. GOLD THEN

TELEPHONICALLY INSTRUCTED JEAN TO MEET HIM AT PENNSYLVANIA STATION

RECEPTION ROOM, NYC. FROM THERE SHE AND GOLD PROCEEDED BY CAB TO

GRAND CENTRAL STATION AND ENTERED AN OFFICE BUILDING CONNECTED TO GRAND

CENTRAL BY UNDERGROUND ENTRANCE. DOES NOT RECALL EXACT BUILDING OR

OFFICE BUT BELIEVES IT TO BE NEAR FORTY SECOND ST. AND LEXINGTON AVE.,

NYC. THERE, THEY WOULD MEET WITH A THIRD PARTY WHOSE NAME SHE DID NOT

RECALL. WHEN ASKED IF IT COULD HAVE BEEN ABE BROTHMAN, SHE REPLIED

THAT BROTHMAN WAS THE INDIVIDUAL. SHE ALSO STATED SHE RECALLED BROTH-

MAN-S FACE AND COULD IDENTIFY HIM BY SIGHT OR PHOTOGRAPH. SAID THESE

MEETINGS OF WHICH THERE WERE AT LEAST SIX, TOOK PLACE BETWEEN SEVEN

PM AND NINE THIRTY OR TEN PM. HER JOB WAS TO

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PAGE TWO

TAKE SHORTHAND NOTES DICTATED TO HER BY BROTHMAN AND GOLD AFTER THEY HAD CONFERRED IN ANOTHER ROOM OF THE OFFICE. SHE RECALLED ALSO THAT THEY WOULD SOMETIMES GIVE HER LONGHAND NOTES CONTAINING INFORMATION OF A TECHNICAL NATURE WHICH SHE WAS TO TYPE LATER AT HER HOME. STATES THAT HER ONLY RECOLLECTION OF CONTENTS OF NOTES OR DICTATION GIVEN HER WAS THAT IT WAS INFORMATION OF A TECHNICAL NATURE CONCERNING QUOTE AEROSOL UNQUOTE. STATED THIS WORD BEARS NO SIGNIFICANCE TO HER NOW OR AT THAT TIME. AT CONCLUSION OF THESE MEETINGS WITH GOLD AND BROTHMAN, GOLD WOULD USUALLY TAKE HER BY CAB TO PENN STATION AT WHICH TIME SHE WOULD RETURN HOME. GOLD WOULD ADVISE HER THAT SHE WAS TO TYPE UP THE DICTATION GIVEN HER ON PLAIN WHITE PAPER AND THAT HE WOULD OBTAIN THE FINISHED DICTATION AND THE NOTES FROM HER AT THEIR NEXT MEETING AT PENN STATION. JEAN SAID SHE PERFORMED THESE SAME DUTIES AT LEAST SIX TIMES FOR GOLD AND BROTHMAN AND THAT ON EACH OCCASION, SHE MET GOLD AT PENN STATION AND THEY PROCEEDED BY CAB TO THE OFFICE BUILDING NEAR GRAND CENTRAL AS PREVIOUSLY DESCRIBED. ON ONE OCCASION GOLD TOOK HER TO DINNER AFTER COMPLETION OF DICTATION. SHE RECEIVED TEN DOLLARS A NIGHT FROM GOLD FOR HER WORK WHICH HE USUALLY PAID HER IN CASH AT THE END OF THE EVENING. TOWARD THE END OF HER EMPLOYMENT WITH GOLD HE FELL BEHIND IN PAYMENTS TO HER BUT FINALLY MAILED HER A CHECK OR A MONEY ORDER FOR SIXTY DOLLARS WHICH CONSTITUTED FULL PAYMENT FOR HER SERVICES. HE ALSO ADVISED HER AT THAT TIME THAT HER SERVICES WOULD NOT LONGER BE REQUIRED WITHOUT GIVING ANY EXPLANATION. ON SOME OCCASIONS WHEN SHE

END PAGE TWO



PAGE THREE

HAD APPOINTMENTS WITH GOLD AT PENN STATION, HE FAILED TO APPEAR AND  
TOLD HER LATER THAT HE HAD OTHER COMMITMENTS WHICH INTERFERED. JEAN  
SAID SHE DIDNT KNOW WHERE GOLD HAD COME FROM WHEN SHE MET HIM IN NY  
INASMUCH AS SHE ALWAYS MET HIM IN THE RECEPTION ROOM PENN STATION.  
SHE HAD NO KNOWLEDGE REGARDING HIS RESIDENCE OR ACTIVITIES AT ANY TIME.  
SHE KNEW NONE OF HIS ASSOCIATES EXCEPTING BROTHMAN AND SHE DIDN-T KNOW  
THE RELATIONSHIP BETWEEN BROTHMAN AND GOLD. JEAN SAID THAT WHILE TYP-  
ING THE MATERIAL DICTATED TO HER BY BROTHMAN AND GOLD, SHE SOMETIMES  
RETAINED COPIES OF PORTIONS OF THE MATERIAL DUE TO APPARENT ERRORS  
IN SPELLING OR GRAMMAR AND THAT SHE RETAINED SOME OF THIS MATERIAL  
FOR A PERIOD OF TIME FOLLOWING TERMINATION OF HER EMPLOYMENT WITH GOLD.  
SHE BELIEVES THAT THESE PAPERS HAVE NOW BEEN DESTROYED. SHE STATED  
SHE WILL MAKE A THOROUGH SEARCH OF HER PERSONAL BELONGINGS IN AN EFFORT  
TO ASCERTAIN IF ANY OF THIS MATERIAL IS STILL PRESENT. HER ONLY ASSO-  
CIATION WITH GOLD WAS TO TAKE HIS DICTATION AS DESCRIBED ABOVE AND SHE  
HAS NEITHER SEEN NOR HEARD FROM HIM FROM TIME SHE LEFT HIS EMPLOY UN-  
TIL HIS RECENT ARREST. SAID SHE ONLY SAW BROTHMAN AS DESCRIBED ABOVE  
AND KNOWS NOTHING CONCERNING HIM. RE THOMAS BLACK, JEAN MET HIM FORTY  
TWO THROUGH HER FATHER AND UNCLE WHEN THEY WERE ALSO EMPLOYED NOPCO  
CHEMICAL, HARRISON, NJ., WHERE BLACK WORKED. IN NINETEEN FORTY FIVE OR  
SIX, SHE DID SOME TYPING FOR BLACK WHEN HE LIVED IN PRUDENTIAL APART-  
MENTS IN DOWNNECK, NEWARK. STATES THAT ANOTHER INDIVIDUAL LIVED WITH  
BLACK AT THIS TIME, FIRST NAME JACK, LAST NAME NOT RECALLED. WHEN  
ASKED IF LAST NAME WAS FASS, SHE REPLIED IN AFFIRMATIVE. SAID FASS  
WAS PRESENT WHEN BLACK DICTATED TO HER. SHE ONLY TOOK DICTATION FROM  
END PAGE THREE

PAGE FOUR

BLACK ON ONE OCCASION AND DOES NOT RECALL NATURE OF MATERIAL ALTHOUGH RECALLS THAT FASS WAS PRESENT AT THE TIME. SAID SHE NEVER HAD REASON TO QUESTION THE LOYALTY OR ACTIVITIES OF BLACK, GOLD OR BROTHMAN AT ANY TIME AND THAT NONE OF THEM MADE ANY SIGNIFICANT IMPRESSION ON HER. STATED SHE HAD NOTHING TO DO WITH ANY OF THEM OTHER THAN TO TAKE DICTATION AS DESCRIBED ABOVE. MRS. NIEMASECK APPEARED TO BE VERY COOPERATIVE AND SAID SHE WILL BE GLAD TO ANSWER ANY QUESTIONS WITHIN HER KNOWLEDGE REGARDING THIS MATTER. SHE WILL ALSO MAKE A THOROUGH SEARCH OF HER HOME AND ADVISE THE NEWARK OFFICE IF SHE LOCATES ANY MATERIAL DICTATED TO HER BY GOLD OR BROTHMAN. DURING INTERVIEW WITH NIEMASECK, HER UNCLE, FRANK DZIEDZIC ONE SEVEN SIX HIGH ST., NUTLEY, N. J. ARRIVED AT HER HOUSE ON A VISIT. HE VOLUNTEERED INFORMATION THAT HE KNEW BLACK AND WORKED UNDER BLACK FOR SIX TO SEVEN MONTHS AS ASSISTANT BACTERIOLOGIST AT NOPCO CHEMICAL COMPANY, HARRISON, N. J. IN NINETEEN FORTY TWO AND THREE. STATED AT NO TIME DURING HIS ASSOCIATION WITH BLACK DID HE HAVE ANY REASON TO QUESTION LATTER-S LOYALTY OR ACTIVITIES BUT SAID BLACK APPEARED TO BE ECCENTRIC TYPE INDIVIDUAL. BLACK TOLD

END PAGE FOUR

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PAGE FIVE

HE KEPT PET RATS, CROWS AND SNAKES IN HIS HOME. DZIEDZIC SAID BLACK-S ONLY ASSOCIATE KNOWN TO HIM WAS JACK FASS, WHO ALSO WORKED NOPCO AT THAT TIME. DZIEDZIC HAS NO KNOWLEDGE BLACK-S ACTIVITIES OUTSIDE NOPCO, WHERE BLACK WAS WELL LIKED. SAID BLACK, WHILE EMPLOYED AT NOPCO, RESIDED PRUDENTIAL APARTMENTS IN DOWN NECK, NEWARK, NEW JERSEY. MRS. NIEMASECK ADVISED THAT HER FATHER ALSO WORKED NOPCO CHEMICAL WITH BLACK AND WAS ACQUAINTED WITH LATTER. NEWARK WILL INTERVIEW WILLIAM ZAWYRUCKA.

MC KEE

4END ACK ORD PLS

WA M NK R -2 WA LRP

NY NK R2 NY JEM

PH NK R 2 PH PJB

DISC

cc: Mr. Belmont  
Mr. Lempere

TWO COPIES WFO

MKVOMOOTMOT NYGA

U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 18 1950

TELETYPE

WASHINGTON 5, NEW YORK 5 FROM PHILA. 6-18-50 6.38 PM VFH

DIRECTOR AND SACS

ABRAHAM BROTHMAN, ESPIONAGE R. RENYTEL JUNE SEVENTEEN SETTING OUT  
RESULTS OF INTERVIEW WITH BROTHMAN. WITH REFERENCE TO GOLD AND  
BROTHMAN MEETING IN HOTEL NEW YORKER, GOLD STATED HE RECALLED THIS AND  
THAT HE DID RENT A ROOM IN THE NEW YORKER HOTEL UNDER THE NAME OF  
FRANK KESSLER, HARRY GOLD, OR POSSIBLY HENRY GREENBERG. GOLD STATED  
HE JUST RECALLED THIS LAST NAME BUT DOES NOT RECALL WHETHER HE ACTUALLY  
EVER USED IT IN REGISTERING AT THE HOTEL BUT DOES RECALL USING SUCH  
WHEN MAKING TRAIN RESERVATIONS OR AT LEAST BECAUSE OF THE FACT THAT HE  
OWNED A PIECE OF LUGGAGE WHICH HE USED CONTAINING INITIALS QUOTE H. G.  
UNQUOTE. GOLD STATED THAT EVENING OF THE DAY HE REGISTERED IN HOTEL,  
BROTHMAN APPEARED THERE WITH A PORTABLE TYPEWRITER AND INFO ON THE  
BUNA S PROCESS. GOLD STATED BROTHMAN HAD A DEADLINE TO MEET FOR  
HENDRICK AND THAT THE TWO WORKED UNTIL APPROXIMATELY SIX AM THE  
FOLLOWING MORNING WITH GOLD CHECKING MATERIAL AND BROTHMAN TYPING.  
BROTHMAN THEN WENT TO HENDRICK THAT MORNING AND RETURNED TO HOTEL ROOM  
IN EARLY EVENING OF SAME DAY AND GAVE GOLD SOME MORE MATERIAL AND  
WHAT AMOUNTED TO THE COMPLETE REPORT ON THE BUNA S MATERIAL. GOLD  
STATED THAT HE RECALLS THAT THEY WERE IN SOMEWHAT OF A HURRY THAT  
EVENING AS GOLD HAD AN APPONTMENT WITH SAM TO TURN OVER THE MATERIAL  
TO HIM WHICH HE DID. GOLD STATED THAT THIS MEETING WITH BROTHMAN AT  
NEW YORKER WAS IN VERY LATE MARCH OR EARLY APRIL NINETEEN FORTY TWO.

APR 28 1972  
RECALLED THAT IT WAS IN THE MIDDLE OF THE YEAR 1942

END PAGE ONE  
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JUN 18 11 30

Mr. Ladd	✓
Mr. Clegg	✓
Mr. Glavin	✓
Mr. Nichols	✓
Mr. Rosen	✓
Mr. Tracy	✓
Mr. Harbo	✓
Mr. Belmont	✓
Mr. Mohr	✓
Tele. Room	✓
Mr. Nease	✓
Miss Gandy	✓

ALL INFORMATION CONTAINED  
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DATE 1-1-87 BY 3042 RAL/OS

PAGE TWO

LINCOLN HOTEL MEETING WITH BROTHMAN OCCURRED SOMEWHERE BETWEEN ABOUT NOVEMBER FORTYTWO AND JANUARY FORTYTHREE. RELATIVE TO THE HOTEL COMMODORE MEETING WITH BROTHMAN, GOLD RECALLED THAT HE DID REGISTER AT THE COMMODORE HOTEL IN LATTER PART OF FORTYTWO OR POSSIBLY IN EARLY FORTY THREE AND THAT BROTHMAN WAS WITH CHEMURGY AT THE TIME. GOLD THOUGHT THAT THE REASON FOR SUCH PROPOSED MEETING WAS TO DO WORK ON THE MAGNESIUM POWDER MATTER. GOLD REGISTERED AT THE HOTEL BUT RECALLS THAT BROTHMAN APPEARED IN THE ROOM ONLY A SHORT PERIOD OF TIME AND TOLD GOLD OF HIS TROUBLES AT CHEMURGY, ESPECIALLY A FEUD BETWEEN EMIL ~~X~~BARISH AND ARTIE ~~X~~WEBER. GOLD DEFINITELY RECALLS THAT NO WORK WAS DONE BY BROTHMAN OR GOLD AND THAT AS FAR AS GOLD WAS CONCERNED THE TRIP WAS FRUITLESS.

CORNELIUS

NY ACK AND DISC

WA HOLD<sup>7</sup>EPH TR 5 WA SMS HOLDING

NY PH R5 NY JEM

cc: Mr. Belmont  
Mr. Lamphue

U.S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 20 1950

TELETYPE

Mr. Tolson	<input checked="" type="checkbox"/>
Mr. Ladd	<input checked="" type="checkbox"/>
Mr. Clegg	<input checked="" type="checkbox"/>
Mr. Glavin	<input checked="" type="checkbox"/>
Mr. Nichols	<input checked="" type="checkbox"/>
Mr. Rosen	<input checked="" type="checkbox"/>
Mr. Tracy	<input checked="" type="checkbox"/>
Mr. Harbo	<input checked="" type="checkbox"/>
Mr. Belmont	<input checked="" type="checkbox"/>
Mr. Mohr	<input checked="" type="checkbox"/>
Tele. Room	<input checked="" type="checkbox"/>
Mr. Nease	<input checked="" type="checkbox"/>
Miss Gandy	<input checked="" type="checkbox"/>

WASHINGTON 26 NEW YORK 9 FROM PHILA  
DIRECTOR AND SAC

6-20-50

ABRAHAM BROTHMAN, ESP - R. RE NEW YORK TEL JUNE NINETEEN, EIGHT  
NAUGHT SIX PM. HARRY GOLD IN INTERVIEW THIS DATE STATED THAT  
SHORTLY AFTER GOLD FIRST MET BROTHMAN THAT BROTHMAN ADVISED HIM  
THAT HE HAD SUPPLIED INFO TO JACOB GOLOS, WHOM BROTHMAN KNEW ONLY  
AS JOHN, CONCERNING A TURBINE ENGINE FOR AIRCRAFT WHICH BROTHMAN  
HAD WORKED ON AT HENDRICK MFG. CO. GOLD RECALLS THAT BROTHMAN  
ALSO TOLD HIM SHORTLY AFTER THEY MET THAT BROTHMAN WAS VERY GLAD  
TO SEE GOLD SINCE BROTHMAN COULD AGAIN BEGIN FUNNELLING INFO TO  
THE SOVIET UNION, WHICH WAS, BROTHMAN SAID, THE ONLY COUNTRY CON-  
DUCTING A TRUE FIGHT AGAINST FASCISM. GOLD SAID THAT BROTHMAN TOLD  
HIM SOMETIME DURING THEIR FIRST THREE OR FOUR MEETINGS THAT BROTHMAN  
HAD GOTTEN ALONG ALL RIGHT WITH GOLOS, BUT THAT THINGS HADN'T  
GONE TOO WELL WITH HELEN /ELIZABETH BENTLEY/, AND THAT BROTHMAN  
SAID THAT THINGS WOULD PROBABLY BE BETTER NOW AS GOLD WAS A  
CHEMIST. GOLD RECALLS THAT SOMETIME DURING LATE FORTYONE HE HAD A  
SCHEDULED MEETING WITH BROTHMAN AT BICKFORD-S RESTAURANT ON  
LEXINGTON AVENUE AT ABOUT FIFTY FIRST STREET ON OPPOSITE SIDE OF  
STREET FROM LOEWS THEATER. GOLD SAID THAT BROTHMAN HAD PROMISED  
TO DELIVER HIM INFO ON DESIGN OF A POWDER PLANT. GOLD BELIEVES  
THIS WAS IN SOME WAY CONNECTED WITH ATLAS POWDER COMPANY BUT IS  
NOT CERTAIN, AND ALSO BELIEVES THIS PLANT MAY HAVE BEEN LOCATED AT

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PAGE TWO

CHATTANOOGA, TENN. GOLD RECALLS THAT HE WAITED AT BICKFORD-S RESTAURANT FAR BEYOND TIME WHEN BROTHMAN WAS DUE AND FINALLY GAVE UP AND WENT TO KEEP HIS APPOINTMENT WITH SAM. THIS APPOINTMENT GOLD SAID, WAS ON SUBWAY PLATFORM IN WEST FOURTH ST. - WASHINGTON SQUARE SUBWAY STATION. GOLD FINALLY CONTACTED SAM AT ABOUT THE FOURTEENTH STREET STOP OF SUBWAY AND TOLD SAM THAT BROTHMAN HAD NOT KEPT APPOINTMENT. GOLD SAID THAT SAM THEN LEFT HIM FOR A FEW

MINUTES AND GOLD BELIEVES SAM WENT TO DISCUSS PERSON WHO WAS PROBABLY WAITING TO PICK UP INFO WHICH BROTHMAN WAS SUPPOSED TO HAVE DELIVERED AND HAVE IT PHOTOSTATFD. GOLD SAID BROTHMAN HAD VOLUNTEERED TO SUPPLY GOLD WITH INFO ON THIS POWDER PLANT. GOLD SAID THAT BROTHMAN KNEW THAT BOTH GOLD AND SOVIETS WERE BECOMING DISGUSTED WITH FRAGMENTARY INFO WHICH BROTHMAN HAD BEEN SUPPLYING. ON JAN. ONE, FORTYTWO, GOLD HAD A SCHEDULED APPOINTMENT WITH BROTHMAN ON DEY ST., AT WHICH TIME BROTHMAN WAS TO HAVE DELIVERED TO GOLD COMPLETE REPORT ON THE BUNA-S PROCESS. GOLD WAITED FOR A COUPLE OF HOURS, AND WHEN BROTHMAN DID APPEAR, HE DID NOT HAVE INFO AND DROVE GOLD TO VICINITY OF PENN STATION, WHERE BROTHMAN LET GOLD OUT. GOLD SAID THAT LATER HE FOUND OUT FROM BROTHMAN THAT AT THIS MEETING BROTHMAN HAD ACTUALLY JUST BEGUN WORK ON THE BUNA-S PROCESS. GOLD SAID THAT AT THE MEETING WITH BROTHMAN IN HOTEL NEW YORKER IN EARLY MARCH OR EARLY APRIL, FORTYTWO, BROTHMAN TOLD GOLD ABOUT TROUBLE BROTHMAN HAD AT COLUMBIA UNIVERSITY. THE CONVERSATION CONCERNED BROTHMAN-S PHILOSOPHY OF PAYING QUOTE RATS,

END PAGE TWO

PAGE THREE

UNQUOTE, BACK FOR HAVING ERRED AGAINST THE SOVIET UNION. BROTHMAN TOLD GOLD THAT SOMEONE AT COLUMBIA UNIVERSITY TURNED IN A LIST OF MEMBERS OF YOUNG COMMUNIST LEAGUE TO THE DEAN IN RETURN FOR GETTING ADMISSION TO MEDICAL SCHOOL. BROTHMAN-S NAME WAS ON THIS LIST, AND HE WAS CALLED BEFORE THE DEAN TO EXPLAIN IT. BROTHMAN TOLD GOLD THAT HE SUBSEQUENTLY FOUND OUT WHO THE INDIVIDUAL WAS WHO SUPPLIED THE DEAN THE LIST AND, QUOTE, THREW HIM DOWN THE STAIRS, UNQUOTE. AT THIS TIME GOLD TOLD BROTHMAN ABOUT A CONTACT OF HIS, GOLD-S, WHO WAS AN AERONAUTICAL ENGINEER AT WRIGHT FIELD, DAYTON, OHIO. GOLD TOLD BROTHMAN THAT THIS MAN HAD ACCEPTED MONEY FROM THE SOVIET UNION TO PUT HIMSELF THROUGH MIT. GOLD SAID THAT LATER ON GOLD CONTACTED THIS MAN IN DAYTON AND CONFRONTED HIM WITH RECEIPTS THIS MAN HAD SIGNED, BUT HE REFUSED TO WORK, QUOTE, WITH US, UNQUOTE. GOLD STATED HE DID NOT REVEAL THE NAME OF THIS MAN TO BROTHMAN, BUT WHO WAS, OF COURSE, BEN SMILG. GOLD SAID THAT TWO OR THREE WEEKS AFTER BROTHMAN HAD GIVEN HIM THE INFO ON BUNA-S, WHICH GOLD TURNED OVER TO SAM, THAT GOLD AGAIN SAW BROTHMAN AND RELAYED TO HIM A GLOWING VERBAL REPORT ON THE WAY THE BUNA-S MATERIAL WAS RECEIVED BY THE SOVIETS. GOLD SAID THAT HE TOLD BROTHMAN AT THE TIME THAT THIS INFO WAS VERY VALUABLE AND HAD BEEN VERY WELL RECEIVED BY THE ENGINEERS IN THE SOVIET UNION, AND BECAUSE OF THE FACT THAT IT WAS SO COMPLETE THAT IT WOULD BE PUT TO USE IMMEDIATELY. GOLD DOES NOT RECALL WHETHER HE USED THE EXACT WORDS, QUOTE, SOVIET UNION, UNQUOTE, QUOTE, OTHER SIDE, UNQUOTE, OR, QUOTE, US, UNQUOTE, OR, QUOTE, S. U., UNQUOTE. GOLD STATED THAT IN ~~THEIR~~ CONVERSATIONS WITH BROTHMAN THROUGHOUT THEIR ACQUAINTANCE GOLD INTERCHANGEABLY USED THE ABOVE EXPRESSIONS WHEN REFERRING TO THE

END PAGE THREE

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PAGE FOUR

SOVIETS, ~~RECALL~~ AND HE CANNOT RECALL THE EXACT LANGUAGE HE USED IN THE ABOVE CONVERSATIONS. RELATIVE TO THE MEETING IN THE HOTEL LINCOLN DURING THE LAST FEW MONTHS IN FORTYTWO OR THE <sup>R</sup>FIRST TWO MONTHS IN FORT<sup>V</sup>THREE BETWEEN GOLD, BROTHMAN, AND SAM, ~~THE~~ <sup>A</sup>GOLD SAID THAT THIS MEETING WAS ARRANGED FOR THE FOLLOWING REASONS. FIRST, TO TRY AND GET BROTHMAN TO DO FURTHER WORK ON SYNTHETIC RUBBER, AND PREFERABLY TO HAVE BROTHMAN GO TO WORK FOR SOME BIG RUBBER CO. OR, IN ANY EVENT SOME LARGE FIRM. SECOND, TO BUILD UP BROTHMAN-S EGO AND INSTILL IN HIM A FURTHER DESIRE TO DO WORK FOR THE SOVIET UNION BY HAVING BROTHMAN MEET A RECENTLY ARRIVED AND, <sup>T</sup>QUOTE, IMPORTANT OFFICIAL, UNQUOTE, OF THE SOVIET UNION. THIS, OF COURSE, WAS SEMENOV. THIRD, TO THANK BROTHMAN FOR THE WORK HE HAD DONE ON THE BUNA-S AND ON THE MIXING EQUIPMENT WHICH BROTHMAN HAD PREVIOUSLY SUPPLIED GOLD FOR TRANSMITTAL TO THE SOVIET UNION. GOLD SAID THAT DURING THIS MEETING IN THE HOTEL LINCOLN THAT BROTHMAN WAS TOLD THAT SAM HAD SEEN THE MATERIAL ON THE BUNA-S, OR AT LEAST KNEW OF ITS EXISTENCE. GOLD SAID THAT HE RECALLS DURING THIS MEETING IN THE HOTEL LINCOLN THAT SAM MADE A MOMENTARY SLIP AND ~~COULD~~ CALLED GOLD, <sup>T</sup>QUOTE, HARRY, UNQUOTE, INSTEAD OF FRANK. GOLD SAID THAT PRIOR TO TH<sup>I</sup>S BROTHMAN HAD NOT HEARD, NOR EVER REFERRED TO HIM BY ANY OTHER NAME EXCEPT FRANK. GOLD SAID THAT LATER, WHEN HE WENT TO WORK FOR BROTHMAN, THAT GOLD ASKED BROTHMAN WHETHER BROTHMAN KNEW HIS RIGHT NAME. GOLD SAID HE RECALLS ASKING BROTHMAN WHETHER THE LATTER THOUGHT IT WAS HARRY GOLD OR FRANK ~~KESSLER~~ KESSLER. GOLD

END PAGE FOUR

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PAGE FIVE

SAID THAT BROTHMAN TOLD HIM THAT HE THOUGHT HIS NAME WAS FRANK KESSLER, AND GOLD HAD TO CORRECT HIM AT THIS TIME. GOLD SAID THAT SOMETIME IN LATE FORTYTHREE OR EARLY FORTYFOUR, WHILE BROTHMAN WAS EMPLOYED AT CHEMURGY, THAT BROTHMAN ASKED GOLD IF THE LATTER KNEW ANYONE AT AMTORG WHO WOULD ASSIST BROTHMAN IN GETTING CONTRACTS TO DO LEGITIMATE WORK FOR THE SOVIET UNION. GOLD DOES NOT RECALL EXACTLY HOW THIS CONVERSATION TOOK PLACE BUT BELIEVES THAT BROTHMAN USED THE EXPRESSION, QUOTE, ONE OF YOUR PEOPLE, UNQUOTE, REFERRING TO GOLD-SOVIET CONTACTS. GOLD SAID THAT HE TOLD BROTHMAN AT THE TIME THAT HE DID NOT KNOW ANYONE AT AMTORG BUT WOULD MAKE INQUIRIES. GOLD SAID HE NEVER MADE SUCH INQUIRIES, HOWEVER. GOLD SAID THAT BROTHMAN-S IDEA AT THE TIME WAS TO GET AN ORGANIZATION ABOUT HIM WHICH WOULD BE COMPOSED OF PEOPLE WHO WERE SYMPATHETIC TO THE SOVIET UNION AND WERE CAPABLE CHEMISTS AND ENGINEERS. GOLD SAID THAT BROTHMAN-S ~~IDEA~~ ~~IDEA~~ IDEA ON THIS WAS THE FORMATION OF A SMALL ORGANIZATION DEVOTED TO THE WORK OF DEVELOPING PLANTS AND/OR PROCESSES FOR THE SOVIET UNION. GOLD RECALLS THAT LATER IN THE PERIOD SOMETIME BETWEEN AUGUST, FORTYFOUR, AND OCTOBER, FORTYFIVE, BROTHMAN AGAIN APPROACHED GOLD ON ONE OR TWO OCCASIONS AND ASKED GOLD TO USE HIS INFLUENCE OR CONTACT HIS FRIENDS IN ORDER THAT BROTHMAN MIGHT OBTAIN CONTRACTS TO DO LEGITIMATE WORK THROUGH AMTORG. GOLD SAID THAT BROTHMAN DEFINITELY KNEW THAT GOLD WAS A SOVIET AGENT, AND THAT GOLD HAD SUCCEEDED ELIZABETH BENTLEY. GOLD ALSO SAID THAT HE RECALLS BROTHMAN ONCE ASKED HIM, QUOTE, HOW IS JOHN, UNQUOTE. GOLD SAID THAT ALTHOUGH HE

END PAGE FIVE

PAGE SIX

DID NOT KNOW WHO BROTHMAN WAS REFERRING TO HE ANSWERED, QUOTE, FINE, UNQUOTE. GOLD SAID THAT SUBSEQUENT TO THE TIME THAT BROTHMAN WAS FIRST QUESTIONED BY AGENTS HE DISCOVERED THAT BROTHMAN KNEW JACOB GOLOS ONLY BY THE NAME OF JOHN. GOLD SAID THAT THE REASON HE ANSWERED THIS QUESTION OF BROTHMAN WAS THAT SAM HAD TOLD HIM PREVIOUSLY NEVER TO ACT STUPID WHEN ASKED ANY ~~QUEST~~ SUCH TYPE OF QUESTION. GOLD SAID THAT AT ONE TIME BROTHMAN HAD A CONTACT AT AMTORG WHO GOLD BELIEVES WAS AN UNDERLING OF SOME SORT, THAT IS, A CLERK. GOLD SAID THAT THIS MAN AT AMTORG WAS AN AMERICAN AND HAD AN ARMENIAN NAME. BROTHMAN-S ASSOCIATION WITH THIS MAN WAS IN THE LATE THIRTIES, AND THE MAN WAS DISCHARGED FROM AMTORG. GOLD BELIEVES THAT BROTHMAN-S ASSOCIATION WITH THIS MAN HAD SOMETHING TO DO WITH BROTHMAN-S ~~ASSOCIATION~~ <sup>S</sup> FIRST ASSOCIATION WITH THE SOVIETS ALTHOUGH GOLD CANNOT RECALL ANY CONVERSATION WITH BROTHMAN WHICH GIVES GOLD THIS IMPRESSION. GOLD SAID THAT HE DOES NOT THINK THE NAME OF THIS MAN AT AMTORG WAS GAIK OVAKIMIAN. RELATIVE TO THE POSSIBILITY OF A QUOTE, MR. ~~X~~ RICH, UNQUOTE, WHO ALLEGEDLY WAS TO PUT MONEY IN THE BROTHMAN FIRM, GOLD SAID THAT AT ONE TIME SIDNEY ~~X~~ KIRKPATRICK, EDITOR OF ~~X~~ CHEMICAL AND METALLURGICAL ENGINEER ~~X~~ MAGAZINE, AT ONE TIME MIGHT HAVE INITIATED A RUMOR THAT DR. GUSTAV ~~X~~ REICH MIGHT HAVE BEEN INTERESTED IN PUTTING MONEY IN BROTHMAN CO. ~~REICH~~ GOLD SAID THAT BROTHMAN PUBLISHED MOST OF HIS ARTICLES IN THE ABOVE MAGAZINE, ~~REICH~~ WHICH IS PUBLISHED BY MC GRAW-HILL PUBLISHING CO. AT THAT TIME GUSTAV REICH WAS OPERATING HIS OWN ENGINEERING FIRM, AND BROTHMAN COULD HAVE TOLD GOLD THAT REICH WAS GOING TO THROW SOME DESIGN BUSINESS TO BROTHMAN-S FIRM, OR ELSE WAS GOING TO PUT SOME MONEY IN IT, BUT GOLD CANNOT RECALL EXACT CONVERSATION. BROTHMAN

END PAGE SIX

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PAGE SEVEN

ALSO TOLD GOLD ONE TIME THAT U. S. INDUSTRIAL ALCOHOL CO. WAS POSSIBLY GOING TO BUY SOME PROCESSES FROM BROTHMAN OR ELSE BUY THE THE BROTHMAN CO. OUTRIGHT. GOLD SAID THAT LEO TRUBEK WAS MAN BROTHMAN DEALT WITH AT U. S. INDUSTRIAL ALCOHOL. TRUBEK WAS FORMER PART OWNER OF FRANCO-AMERICAN CHEMICAL WORKS, WHICH WAS LATER BOUGHT BY PENNA. SUGAR CO.

CORNELIUS

END

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NY PH R 9 NYC REOT

cc: Mr. Belmont  
Mr. Lapham

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 21 1950

TELETYPE

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Mr. Nease	_____
Mr. Gandy	_____

WASHINGTON 38 FROM NEW YORK 21 8-17 P

DIRECTOR ..... URGENT

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HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042 DOW

ABRAHAM BROTHMAN, ESP-R. FOWLER HAMILTON CALLED NYO FROM WASHINGTON, D.C. FOUR THIRTY PM THIS DATE ADVISING THAT HE HAD CONSULTED WITH BROTHMAN ON SATURDAY, JUNE SEVENTEEN, AND HAD ADVISED HIM TO TALK WITH AGENTS UNTIL SUCH TIME AS THEY WERE FULLY SATISFIED WITH HIS ACCOUNT. BROTHMAN DEMURRED, PLEADING THAT HIS BUSINESS WAS A "SHAMBLES" AND NEEDED IMMEDIATE ATTENTION, AT WHICH POINT HAMILTON ADVISED HIM THAT HE NO LONGER WISHED TO BE CONSIDERED BROTHMAN-S ATTORNEY SINCE THE LATTER DECLINED TO FOLLOW HIS ADVICE. HE ADVISED BROTHMAN THAT IF HE PERSISTED IN HIS REFUSAL TO TALK TO AGENTS HE WOULD MERELY BE CALLED TO TESTIFY BEFORE A GRAND JURY AT A LATER DATE. BROTHMAN DID NOT INDICATE WHETHER HE CONSIDERED HAMILTON-S STATEMENT AS A WITHDRAWAL FROM THE CASE. HAMILTON HAS BEEN IN WASHINGTON SINCE SUNDAY, JUNE EIGHTEEN, AND IF BROTHMAN HAS ATTEMPTED TO CONTACT HIM IT IS APPARENTLY NOT KNOWN TO HAMILTON. HOWEVER, MOSKOWITZ STATED ON MONDAY, JUNE NINETEEN, THAT SHE AND BROTHMAN INTENDED TO CONFER WITH HAMILTON BEFORE ANY FURTHER CONTACT WITH THIS OFFICE BY BROTHMAN SO THAT IT APPEARS

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PAGE TWO

THAT THE LATTER CONTINUES TO REGARD HAMILTON AS HIS ATTORNEY. HAMILTON ADVISED THAT HE INTENDS TO RETURN TO NY THIS DATE AND IF CONTACTED BY BROTHMAN WILL EITHER FORCE HIM TO COMPLY "ONE HUNDRED PERCENT" WITH THE DEMANDS OF THE AGENTS OR WILL POSITIVELY WITHDRAW FROM THE CASE.

SCHEIDT

XHXPL

END

ACK PLS

NYC R 38 WA FEJ

cc: Mr. Langford

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 22 1950

TELETYPE

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Gandy	_____

WASHINGTON 11 AND NEW YORK 8 FROM PHILA

6-22-50

DIRECTOR AND SAC URGENT

ABRAHAM BROTHMAN, ESPIONAGE R. HARRY GOLD INTERVIEWED TODAY RELATIVE TO MATERIAL SEIZED FROM HIS RESIDENCE AT TIME OF RECENT SEARCH. SEVERAL BLUEPRINTS WERE IDENTIFIED BY GOLD AS HAVING COME FROM ABRAHAM BROTHMAN IN CONNECTION WITH THE ESPIONAGE ACTIVITIES OF THE TWO. THESE BLUEPRINTS ARE AS FOLLOWS- ONE GROUP CONCERNED WITH THE BUNA S PROCESS AND CONSISTS OF A BLUEPRINT DATED FEBRUARY EIGHT, FORTY TWO, MADE BY THE HENDRICK MANUFACTURING COMPANY FOR THE B. F. GOODRICH COMPANY. THIS BLUEPRINT WAS THE BUTADIENE AND STYRENE RECOVERY SYSTEM. ANOTHER PRINT WAS DATED JANUARY FOUR, FORTY ONE, MADE BY THE HENDRICK COMPANY FOR THE DEWEY AND ALMY CHEMICAL COMPANY, CAMBRIDGE, MASSACHUSETTS, AND WAS A FLOW SHEET FOR THE ENTIRE BUNA S PROCESS. THIS PRINT COVERS THE MANUFACTURE OF BUNA S ITSELF AND THE RECOVERY OF UNUSED MATERIALS. THE NEXT PRINT WAS BY HENDRICK FOR THE DEWEY AND ALMY COMPANY, AND WAS A REVISED DRAWING OF ONE DATED JANUARY FOUR, FORTY ONE. ANOTHER PRINT WAS DATED FEBRUARY EIGHT, FORTY TWO, MADE BY HENDRICK FOR GOODRICH. A PRINT DATED FEBRUARY TWENTY TWO, FORTY TWO MADE BY HENDRICK FOR GOODRICH WAS A LAYOUT STUDY FOR THE BUTADIENE AND STYRENE RECOVERY SYSTEM, AND SERVED TO LOCATE THE POSITIONS OF THE VARIOUS ITEMS OF EQUIPMENT

END PAGE ONE  
JUL 12 1950

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JUL 7 1950

COPIES DESTROYED CORRECTION PAGE ONE LINE SEVEN WORD SEVEN SHLD BE

389 MAR 8 1963

B. F. GOODRICH-

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DATE 4-1-87 BY 3022/af/ok

PAGE TWO

IN THE PLANT. GOLD ADVISED THAT BROTHMAN GAVE HIM THE ABOVE BLUEPRINTS FOR SUBMISSION TO THE SOVIET UNION, AND THAT THESE BLUEPRINTS HAD BEEN GIVEN TO GOLD AS A DELAYING ACTION AGAINST BROTHMAN-S PROMISES FOR AN EARLY COMPLETION OF THE ENTIRE BUNA S PROCESS. GOLD SAID THAT WHILE THESE BLUEPRINTS ARE VALUABLE, THEY ARE MERE FRAGMENTS, AND HE WOULD NOT SUBMIT SAME TO SAM WITHOUT SOME ACCOMPANYING EXPLANATION OR REPORT. GOLD SAID THAT WHEN BROTHMAN FINALLY DID GIVE HIM THE COMPLETE REPORT ON THE BUNA S PROCESS, THE NECESSITY FOR SUBMISSION OF THESE BLUEPRINTS NO LONGER EXISTED, AND THAT HE RECALLED THAT ONE FLOW SHEET WAS GIVEN TO HIM BY BROTHMAN AT THE TIME THE COMPLETE REPORT ON BUNA S WAS GIVEN GOLD. ANOTHER GROUP OF BLUEPRINTS WERE CONCERNED WITH A ONE THOUSAND GALLON WATER COOLED RESIN KETTLE DESIGNED BY HENDRICK FOR THE SYNVAR CORPORATION OF WILMINGTON, DELAWARE. GOLD SAID THAT THE REASON HE DID NOT TURN THESE BLUEPRINTS OVER TO SAM WAS BECAUSE THEY WERE MERELY FRAGMENTARY. ONE BLUEPRINT DATED OCTOBER THIRTEEN, FORTY ONE, WAS MADE BY HENDRICK FOR THE BARRETT COMPANY, PHILADELPHIA, PENNSYLVANIA, FOR A ONE HUNDRED FIFTY GALLON ESTERFIER. GOLD SAID THAT THIS MUST HAVE BEEN GIVEN TO HIM BY BROTHMAN VERY EARLY IN THEIR ASSOCIATION, AND STANDING BY ITSELF IS VERY INNOCUOUS, AND FOR THAT REASON HE DID NOT TURN IT OVER TO SAM. ANOTHER GROUP OF BLUEPRINTS WERE DATED IN NINETEEN FORTY TWO, AND WERE OF DESIGN WORK

END PAGE TWO

CORRECTION PAGE TWO LINE THIRTEEN, WORD THREE SHLD BE "SYNVAR"



PAGE THREE

BY CHEMURGY. THESE PRINTS WERE OF DIAGRAMATIC FLOOR SHEETS, ASSEMBLY DETAILS, AND OTHER DESIGNS IN CONNECTION WITH THE RUFERT PLANT, WHICH DID WORK ON NICKEL CATALYST. THE MATERIAL ON THE RUFERT PLANT WAS GIVEN BY BROTHMAN TO GOLD FOR SUBMISSION TO THE SOVIETS, BUT GOLD DID NOT PASS ON BECAUSE THEY WERE NOT INTERESTED IN THAT TYPE OF MATERIAL FROM BROTHMAN, AND GOLD WAS MERELY ACCEPTING THE MATERIAL FROM BROTHMAN TO CONTINUE HIS ASSOCIATION WITH HIM. GOLD ALSO HAD IN HIS POSSESSION VARIOUS REPORT ON MIXING EQUIPMENT, WHICH HE IDENTIFIED AS MATERIAL GIVEN TO HIM BY BROTHMAN FOR SUBMISSION TO THE SOVIETS. GOLD STATED THAT HE BELIEVED HE SUBMITTED SEVERAL OF THESE REPORTS TO SAM, AND THAT THEY HAD BEEN RETURNED TO HIM, AND AT A LATER DATE BROTHMAN SUBMITTED A VERY COMPLETE REPORT ON MIXING EQUIPMENT WHICH WAS TURNED OVER TO SAM. IN ANOTHER FOLDER THERE WAS CONTAINED A LENGTHY HANDWRITTEN REPORT ON THE MANUFACTURE OF BUNA S. GOLD STATED THAT THIS ENTIRE REPORT WAS IN BROTHMAN-S HANDWRITING, AND THAT THIS HAD BEEN SUBMITTED BY BROTHMAN TO GOLD PRIOR TO THE END OF MARCH, NINETEEN FORTY TWO. IT WILL BE RECALLED THAT AT END OF MARCH FORTY TWO, BROTHMAN GAVE GOLD A VERY COMPLETE REPORT ON THE BUNA S PROCESS, WHICH REPORT WAS TURNED OVER TO SAM. THAT COMPLETE TYPED REPORT MADE IT UNNECESSARY TO TRANSMIT THE HANDWRITTEN REPORT TO SAM. THE REMAINDER OF THE MATERIAL IDENTIFIED BY GOLD TODAY WAS CONCERNED CHIEFLY WITH LEGITIMATE WORK BY THE BROTHMAN FIRM WHILE GOLD WAS EMPLOYED THERE FROM FORTY SIX TO FORTY EIGHT, AND IS OF NO APPARENT INTEREST TO THE ESPIONAGE ACTIVITIES OF GOLD AND

END PAGE THREE

PAGE FOUR

BROTHMAN. NEW YORK SHOULD ADVISE PHILA. WHETHER IT DESIRES TO HAVE THE ABOVE MATERIAL, SO THAT BROTHMAN CAN BE CONFRONTED WITH IT UPON FUTURE INTERVIEWS. CONSIDERATION SHOULD ALSO BE GIVEN TO PHILA. OBTAINING FROM HENDRICK MFG. CO. COMPLETE LISTING OF ALL JOBS AVAILABLE TO BROTHMAN WITH DATES AND INFO REGARDING POSSIBLE CLASSIFIED NATURE. AT THIS POINT EFFORT WOULD BE MADE TO OBTAIN SETS OF BLUEPRINTS, DESCRIPTIONS AND STATISTICAL DATA PERTAINING TO THESE JOBS SO THAT THEY COULD BE SPECIFICALLY IDENTIFIED BY GOLD AS COPIES OF MATERIAL WHICH BROTHMAN GAVE TO HIM TO BE TURNED OVER TO SOVIETS.

CORNELIUS

BOTH HOLD

*cc Mr Lamph*

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 21 1950

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TELETYPE

DATE 4-1-87 BY 3042 PWT/CK

WASHINGTON 24 NEW YORK 8 FROM PHILA

6-21-50

9-45

Mr. Tolson	✓
Mr. Ladd	✓
Mr. Clegg	
Mr. Glavin	
Mr. Nichols	✓
Mr. Rosen	
Mr. Tracy	
Mr. Harbo	
Mr. Belmont	✓
Mr. Mohr	
Tele. Room	
Mr. Nease	
Mr. Gandy	

DIRECTOR AND SACS

ABRAHAM BROTHMAN, ESPIONAGE DASH R.

HARRY GOLD IN INTERVIEW THIS DATE STATED THAT SOME FEW WEEKS AFTER THE MEETING AT THE HOTEL LINCOLN, NYC, IN WHICH GOLD, BROTHMAN AND SEMENOV PARTICIPATED, GOLD HAD AN APPOINTMENT ~~TO~~ TO MEET BROTHMAN IN GRAND CENTRAL A SHORT DISTANCE FROM THE EXIT OF THE GRAYBAR BUILDING INTO GRAND CENTRAL PROPER. GOLD SAID THAT WHEN BROTHMAN APPEARED, BROTHMAN WAS ACCOMPANIED BY OTHER PEOPLE AMONG WHOM WAS ARTHUR P. WEBER. GOLD SAID THAT HE MADE NO ATTEMPT TO APPROACH BROTHMAN AT THAT TIME SINCE BROTHMAN WAS IN THE COMPANY OF OTHERS BUT THAT BROTHMAN CALLED GOLD OVER TO HIM. GOLD SAID THAT ON THIS OCCASION HE MET ARTHUR WEBER AND THINKS THAT IT WAS THE FIRST TIME THAT GOLD MET WEBER. GOLD SAID THAT BROTHMAN INTRODUCED HIM TO WEBER AS FRANK. GOLD RECALLS THAT WEBER SMILED KNOWINGLY AND SAID QUOTE SHAKE THE HAND THAT SHOOK THE HAND OF UNQUOTE. GOLD IS OF THE OPINION, AS A RESULT OF THIS STATEMENT BY WEBER, THAT BROTHMAN HAD TOLD WEBER ABOUT THE MEETING IN THE HOTEL LINCOLN. GOLD SAID THAT HE LATER ASKED BROTHMAN IF BROTHMAN HAD TOLD WEBER ABOUT MEETING SEMENOV BUT THAT BROTHMAN DENIED IT. ALTHOUGH

END PAGE ONE

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JUL 7 1950

PAGE TWO

~~WAS~~ NOT ELABORATING ON IT, GOLD SAID THAT WEBER KNEW WHAT THE RELATIONSHIP WAS BETWEEN GOLD AND BROTHMAN. GOLD ALSO SAID THAT HE DOES NOT BELIEVE THAT WEBER EVER KNEW GOLD-S REAL NAME, THAT IS DID NOW KNOW HIM BY ANY OTHER NAME EXCEPT FRANK KESSLER. FOUND AMONG GOLD-S POSSESSIONS WAS A TWENTY-THREE PAGE TYPEWRITTEN ARTICLE ENTITLED QUOTE AN APPROACH TO THE PROBLEM OF CONTINUOUS REACTOR AND COMBINING EQUIPMENT DESIGN UNQUOTE. THIS WAS CONTAINED IN FOLDER TOGETHER WITH A THIRTEEN PAGE SET OF PROBLEMS AND EXAMPLES, ALSO TYPEWRITTEN, AS WELL AS SEVERAL DESIGNS ON SKETCH SHEETS OF THE CHEMURGY DESIGN CORPORATION. THESE DIAGRAMS WERE OF A HIGH EFFICIENCY CONTINUOUS MIXING VESSEL. GOLD STATED THAT THIS MATERIAL ON MIXING EQUIPMENT WAS PART OF THE MATERIAL WHICH BROTHMAN HAD FURNISHED GOLD AND WHICH THE LATTER TURNED OVER TO SAM. GOLD SAID THAT THE ABOVE DESCRIBED MATERIAL WAS ORIGINALLY GIVEN TO HIM BY BROTHMAN FOR SUBMISSION TO GOLD-S SOVIET SUPERIOR BUT GOLD UNABLE TO RECALL WHEN THIS MATERIAL WAS GIVEN TO HIM. AS TO ~~WHY~~ WHY THIS MATERIAL STILL IN GOLD-S POSSESSION, HE SAID THAT HE COULD OFFER THREE POSSIBILITIES. NUMBER ONE, THAT BROTHMAN LATER SUBMITTED THE MATERIAL ON MIXING DATA IN OCTOBER OF NINETEEN FORTYTWO WHICH DISPENSED WITH NECESSITY OF SUBMITTING MATERIAL STILL IN GOLD-S POSSESSION. NUMBER TWO, THAT MIXING MATERIAL STILL IN GOLD-S POSSESSION WAS SUBMITTED SUBSEQUENT TO OCTOBER OF NINETEEN FORTYTWO AND GOLD NEVER TURNED IT OVER TO SAM. NUMBER THREE, WHICH GOLD STATES IS THE WEAKEST POSSIBILITY, IS THAT HE MIGHT

END PAGE TWO

PAGE THREE

HAVE OBTAINED IT FROM BROTHMAN WHILE GOLD WAS WORKING FOR THE LATTER. GOLD SAID THAT POSSIBILITY NUMBER ONE IS THE MOST LIKELY. ALSO FOUND AMONG GOLD-S POSSESSIONS WAS A SET OF BLUEPRINTS MADE BY THE GRAVER TANK AND MANUFACTURING COMPANY WHICH PRESUMABLY HAD BEEN FORWARDED TO BROTHMAN BY A COVER LETTER DATED FEBRUARY NINETEEN, NINETEEN FORTY-FOUR, WHICH LETTER IDENTIFIED THE SUBJECT MATTER AS THE RUFERT CHEMICAL COMPANY-S DEGREASING PLANT. GOLD IDENTIFIED THESE BLUEPRINTS AS ACTUALLY DEALING WITH BROTHMAN-S WORK AT THE RUFERT CHEMICAL COMPANY. GOLD SAID THAT HE ACTUALLY ASSISTED BROTHMAN IN SOME OF THE WORK BROTHMAN DID ON THE RUFERT PLANT, WHICH WAS CONCERNED WITH THE MANUFACTURE OF A NICKEL CATALYST. GOLD SAID THAT BROTHMAN PROBABLY GAVE HIM THESE BLUEPRINTS SOMETIME IN NINETEEN FORTYFOUR AND DEFINITELY FOR SUBMISSION TO THE SOVIETS, BUT GOLD NEVER DID ANYTHING ABOUT IT BECAUSE THE PRINTS WERE OF NO USE WITHOUT A DESCRIPTION OF THE PROCESS FOR WHICH THEY WERE DESIGNED. ALSO FOUND AMONG GOLD-S POSSESSIONS WERE SOME BLUEPRINTS OF DRAWINGS MADE BY OSCAR J. VAGO WHICH PERTAINED TO THE AEROSOL MATTER AND IN PARTICULAR WITH A FIELD FILLING DEVICE FOR AEROSOL BOMBS. THESE BLUEPRINTS WERE DATED IN THE SPRING OF FORTYFOUR AND GOLD STATED THAT BROTHMAN GAVE THEM TO HIM FOR SUBMISSION TO THE SOVIET UNION BUT THAT THEY WERE NOT SUBMITTED FOR THE SAME REASON AS STATED ABOVE WITH REFERENCE TO THE RUFERT BLUEPRINTS. GOLD ALSO SAID THAT DURING THIS PERIOD OF FORTYFOUR HE WAS NOT SUPPOSED TO BE SEEING BROTHMAN

END PAGE THREE

PAGE FOUR

ON ORDERS OF SAM AN, JUST CONTINUED TO ACCEPT MATERIAL FROM BROTHMAN. GOLD ALSO HAD IN HIS POSSESSION SEVERAL TYPED ARTICLES, BOTH ORIGINAL AND CARBON COPIES, WHICH DEALT WITH THE AEROSOL MATTER. WITH THESE WERE THREE PENCIL-DRAWN FIGURES OF VARIOUS MODELS OF THE AEROSOL DISPENSER WHICH GOLD STATES IS IN THE HAND PRINTING OF ABRAHAM BROTHMAN. GOLD OF OPINION THAT THIS MATTER WAS TYPED BY JENNIE RUZICKA AND THAT BROTHMAN ~~WAS~~ DICTATED THE MATERIAL TO HER. RUZICKA IS THE YOUNG GIRL OBTAINED THROUGH THOMAS BLACK FOR THE PURPOSE OF TAKING DOWN INFORMATION FROM BROTHMAN FOR SUBSEQUENT SUBMISSION TO THE SOVIET UNION. ALSO AMONG MATERIAL FOUND IN GOLD-S HOUSE WAS A LETTER DATED AUGUST EIGHT, NINETEEN FORTYFIVE ON THE LETTERHEAD OF A. BROTHMAN AND ASSOCIATES, ~~ASSOCIATES~~ ASSOCIATES, CHEMICAL AND MECHANICAL ENGINEERS, ONE ONE FOUR EAST THIRTYSECOND STREET, NY, SIXTEEN, NY. THIS LETTER IS ADDRESSED TO QUOTE MR. HARRY GOLD, SIX EIGHT TWO THREE KINDRED STREET, PHILADELPHIA, PENNSYLVANIA UNQUOTE. THE LETTER BEGINS QUOTE DEAR HARRY UNQUOTE AND IS SIGNED QUOTE VERY SINCERELY YOURS, A. BROTHMAN UNQUOTE. GOLD SAID THAT AS PREVIOUSLY STATED BY HIM, BROTHMAN DID NOT KNOW GOLD-S REAL NAME UNTIL GOLD WENT TO WORK FOR BROTHMAN IN NINETEEN FORTYSIX. GOLD SAID THAT THE REASON THAT THIS LETTER WAS ADDRESSED IN THIS MANNER WAS THAT GOLD HAD GIVEN BROTHMAN THE NAME AND ADDRESS OF HARRY GOLD IN PHILADELPHIA FOR BROTHMAN TO USE AS A MAIL DROP SHOULD BROTHMAN WISH TO GET IN TOUCH WITH GOLD. THIS LETTER PERTAINS TO A DISCUSSION WHICH HAD OCCURRED BETWEEN BROTHMAN AND GOLD ON THE SYNTHESSES OF METHYL METHACRYLATE MONOMER AND REQUEST GOLD TO SUPPLY ANSWERS TO CERTAIN QUESTIONS CONTAINED IN THE LETTER TO BROTHMAN AT A LATER ~~DATE~~ DATE.

CORNELIUS

END

PLEA PLS CORRECT IXX TIME TO 9-45

HERE

cc: Mr. Belmont

Mr. Lamm

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

Mr. Tolson	_____
Mr. Ladd	_____
Mr. Clegg	_____
Mr. Glavin	_____
Mr. Nichols	_____
Mr. Rosen	_____
Mr. Tracy	_____
Mr. Harbo	_____
Mr. Belmont	_____
Mr. Mohr	_____
Tele. Room	_____
Mr. Nease	_____
Miss Gandy	_____

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-1-87 BY 3042/PWT/TELETYPE

WASH 14 AND NEW YORK 9 AND NEWARK 5 FROM PHILA 6-17-50 8.15 PM

DIRECTOR AND SACS

ABRAHAM BROTHMAN, ESPIONAGE R. GOLD ADVISED TODAY THAT IN ABOUT  
SPRING OF NINETEEN FORTYTHREE HE OBTAINED SERVICES OF  
JENNIE RUZICKA THROUGH THOMAS L. BLACK TO ACT AS A STENO IN TAKING  
DOWN INFO FROM BROTHMAN ON THE AEROSOL MATTER. GOLD STATED RUZICKA  
ABOUT SEVENTEEN AT THAT TIME AND BLACK CONTACTED HER THROUGH JENNIE-S  
BROTHER OR UNCLE, WHOSE FIRST NAME WAS FRANK, AND WHO WAS EMPLOYED  
WITH BLACK AT NATIONAL OIL PRODUCTS COMPANY. GOLD USED RUZICKA ABOUT  
FOUR OR FIVE TIMES AT OFFICE OF CHEMURGY, BUT FINALLY DISCONTINUED  
THIS BECAUSE OF RUZICKA-S INABILITY AND THE FACT THAT GOLD OUT OF  
FUNDS. GOLD PAID HER ABOUT TEN DOLLARS PER EVENING AND STILL OWES  
HER FOR ONE OR TWO EVENINGS. GOLD SAID THAT AT LINCOLN HOTEL MEETING  
OF BROTHMAN, SEMENOV, AND GOLD, THERE WAS A DISCUSSION OF HAVING  
BROTHMAN DICTATE MATERIAL TO SEMENOV AS SEMENOV TOLD BROTHMAN TO  
EXPEDITE HIS WORK FOR THE SOVIETS. LATER SAM TOLD GOLD TO FORGET ABOUT  
STENO, SO GOLD DOUBTS IF HE EVER TOLD SAM ABOUT HIRING STENO SO  
PROBABLY NEVER GOT REIMBURSED.

CORNELIUS

WA AND NY HOLD

NK ACK PLS 7/

67 JUL 12

PH R8 NY JEM

NY RU THR PLS

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INDEXED - 92

EX-115

100-365040-117

JUL 7 1950

cc: Mr. Lampher

FEDERAL BUREAU OF INVESTIGATION  
U. S. DEPARTMENT OF JUSTICE  
COMMUNICATIONS SECTION

JUN 17 1950

TELETYPE

WASH FROM NEW YORK

31

6-17

9-32 PM

DIRECTOR URGENT

ABRAHAM BROTHMAN, WA., ESPIONAGE - R. MIRIAM MOSKOWITZ CALLED NYO AT ONE PM THIS DATE, ADVISING THAT BROTHMAN WAS NOT FEELING WELL, WAS EMOTIONALLY UPSET AND AT THAT TIME WAS STILL ARRANGING FOR RAISING TWO THOUSAND DOLLARS TO PAY RENT ON ULSTER CHEMICAL PLANT CLIFFWOOD, NEW JERSEY. AT THIS TIME SHE INDICATED BROTHMAN WOULD BE IN THE NYO AT ABOUT FOUR PM. AT THREE PM, MOSKOWITZ AGAIN CALLED NYO ASKING THAT THE INTERVIEW BE DEFERRED UNTIL MONDAY. SHE WAS ADVISED THAT THE NYO DESIRED TO MAKE SUCH ARRANGEMENTS IF NECESSARY WITH BROTHMAN DIRECTLY SHE ADVISED THAT BROTHMAN WOULD BE AVAILABLE, FOUR PM AT HIS LABORATORY. UNSUCCESSFUL ATTEMPTS MADE TO CONTACT BROTHMAN AT LABORATORY BETWEEN FOUR AND FOUR FORTY-FIVE. AT FOUR FORTY-FIVE PM MOSKOWITZ AGAIN TELEPHONICALLY CONTACTED NYO ADVISING OF NECESSITY OF BROTHMAN WORKING ON A SALVAGE OPERATION INVOLVING A CONSIDERABLE SUM OF MONEY, OVER THE WEEKEND AND POINTED OUT THAT BROTHMAN WAS ILL AND DID NOT DESIRE TO TALK TO AGENTS UNTIL MONDAY. BROTHMAN HAS PREVIOUSLY ADVISED THAT A SALVAGE OPERATION OF CHEMICALS AT ULSTER, CLIFFWOOD, NEW JERSEY, MUST BE COMPLETED IMMEDIATELY IN ORDER TO AVOID CONSIDERABLE FINANCIAL LOSS TO BROTHMAN, MOSKOWITZ-S FATHER AND MOSKOWITZ. BROTHMAN ALSO STATED IN JUNE SIXTEENTH INTERVIEW THAT HE HAD SUFFERED A HYPERTENSION ATTACK IN A RESTAURANT WITHIN THE LAST TWO WEEKS. PRIOR INVESTIGATION HAS ESTABLISHED THAT, IN NINETEEN FORTY SIX, BROTHMAN SUFFERED A HEART ATTACK. BELIEVED ADVISABLE TO CONTACT BROTHMAN MONDAY AM. NEXT RE CONTINUATION OF INTERVIEW. BUREAU WILL BE KEPT CURRENTLY ADVISED.

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SCHMIDT JUL 12 1950

VV

APR 28 1972 AND DIS PLS

7 36 R 31 WA WJR

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143

Mr. Tolson	
Mr. Ladd	
Mr. Clegg	
Mr. Glavin	
Mr. Nichols	
Mr. Rosen	
Mr. Tracy	
Mr. Harbo	
Mr. Belmont	
Mr. Mohr	
Tele. Room	
Mr. Nease	
Miss Gandy	

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DATE 4-2-87 BY 3042/PWT/CLS

EX-113 100-365040-118

cc: Mr. Belmont



## Office Memorandum • UNITED STATES GOVERNMENT

TO : Director, FBI  
FROM : SAC, Los Angeles  
SUBJECT: ABRAHAM BROTHMAN  
ESPIONAGE - R  
Bufile 100-365040

DATE: June 22, 1950

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-2-87 BY 3042/PWT/CIS

Re New York letter dated June 13, 1950, and SAC Letter dated May 4, 1950, entitled "Espionage and Internal Security Investigations."

*Dem* [redacted], who had been a member of the Communist Party for ten years and is generally familiar with the activities of the Communist Party members of any prominence in the Los Angeles area, advised SA H. RAWLINS OVERTON on June 19, 1950, that he had never seen HARRY GOLD, with aliases, MIRIAM MOSKOWITZ or ABRAHAM BROTHMAN. Informant was shown photographs of the above individuals with negative results.

GGR:dll:KH  
65-5033  
cc New York (100-95068)  
Philadelphia

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INDEXED - 119

100-365040-119

~~100-365040-58~~

JUN 26 1950

56 JUL 6 1950

EX-6

*[Handwritten signature]*

FD-72  
(1-10-49)

# FEDERAL BUREAU OF INVESTIGATION

62-1

Form No. 1  
THIS CASE ORIGINATED AT

NEW YORK

FILE NO. 65-1334 mdd

REPORT MADE AT <b>CHARLOTTE</b>	DATE WHEN MADE <b>6-21-50</b>	PERIOD FOR WHICH MADE <b>6-19-50</b>	REPORT MADE BY <b>JAMES W. CANNON</b>
TITLE <b>ABRAHAM BROTHMAN</b>			CHARACTER OF CASE <b>ESPIONAGE - R</b>

SYNOPSIS OF FACTS:

Photographs of ABRAHAM BROTHMAN and MIRIAM MOSKOWITZ exhibited to [REDACTED], but [REDACTED] unable to recognize either as any person with whom he was ever in contact.

G.I.R. - 1

b7c  
b7D

- RUC -

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED

DETAILS:

AT GREENVILLE, SOUTH CAROLINA DATE 4-2-57

BY 3042/PWT/KLS

[REDACTED] was exhibited the photographs of ABRAHAM BROTHMAN and MIRIAM MOSKOWITZ, but said he was unable to recognize either of them as any person with whom he was ever in contact. In addition, [REDACTED] said he did not recognize either name and never heard of SEMEN SEMENOV or JACOB GOLOS.

b7c  
b7D

- REFERRED UPON COMPLETION TO THE OFFICE OF ORIGIN -

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383 MAR 4 1963

APPROVED AND  
FORWARDED:

*Charles A. [Signature]*

DO NOT WRITE IN THESE SPACES

COPIES OF THIS REPORT  
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2 - New York (100-95068)  
2 - Charlotte  
53 JUL 7 1950

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100-365040-120  
5

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INDEXED - 5

66-13

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Ce 65-1334

REFERENCES:

New York Teletype dated 6-13-50.  
New York letter dated 6-13-50.  
Charlotte teletypes to New York dated 6-15-50  
and 6-19-50.

XXXXXX  
XXXXXX  
XXXXXX

# FEDERAL BUREAU OF INVESTIGATION

## FOIPA DELETED PAGE INFORMATION SHEET

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- ☐ Information pertained only to a third party with no reference to you or the subject of your request.
- ☐ Information pertained only to a third party. Your name is listed in the title only.
- ☐ Documents originated with another Government agency(ies). These documents were referred to that agency(ies) for review and direct response to you.

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  1   Page(s) withheld for the following reason(s):

DISPOSITION OF DOCUMENT  
60Ld 65- 57449- 557

☐ For your information: \_\_\_\_\_

☒ The following number is to be used for reference regarding these pages:

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 X DELETED PAGE(S) X  
 X NO DUPLICATION FEE X  
 X FOR THIS PAGE X  
 XXXXXXXXXXXXXXXXXXXX

Office Memorandum • UNITED STATES GOVERNMENT

TO : DIRECTOR, FBI

DATE: July 5, 1950

FROM : SAC, PHILADELPHIA

18179

SUBJECT: ABRAHAM BROTHMAN  
ESPIONAGE - R  
(Bufile 100-365040)

Reference is made to the report of Special Agent ROBERT G. JENSEN dated July 5, 1950 at Philadelphia, Pa.

For the assistance of the New York Office, the fifteen items listed in reference report on Pages 11 through 21 are being submitted as enclosures.

These items are being submitted with the same numerical listing as they have in the report. Therefore, it was not felt desirable to duplicate the material of each individual item.

The New York Office is requested to expedite photostatic copies of this material for submission to the Bureau. Upon completion of the necessary photostating, it is requested that the originals in this matter be returned to the Philadelphia Office.

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 4-2-87 BY 3042/207/CJS

65-4318  
RGJ/jmf

cc - New York (100-95068)  
(Enclosures)

REGISTERED MAIL - Return Receipt Requested

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100-365040-12  
JUL 10 1950  
25

511-X

Letter to Director  
NY 100-95068

Information concerning the Buna-s process, upon which an espionage charge may be based, has not been included in referenced report pending additional investigation to determine whether it is of a classified or secret nature. Complete information pertaining to this will be submitted in a later report.